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THE CHEMIST AND DRUGGIST

ESTAB 1859

REGISTERED AS A NEWSPAPER

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No. 2631.

JULY 12, 1930.

Vol. CXIII.



THE BEST HOUSE FOR ALL PHARMACEUTICAL PRODUCTS

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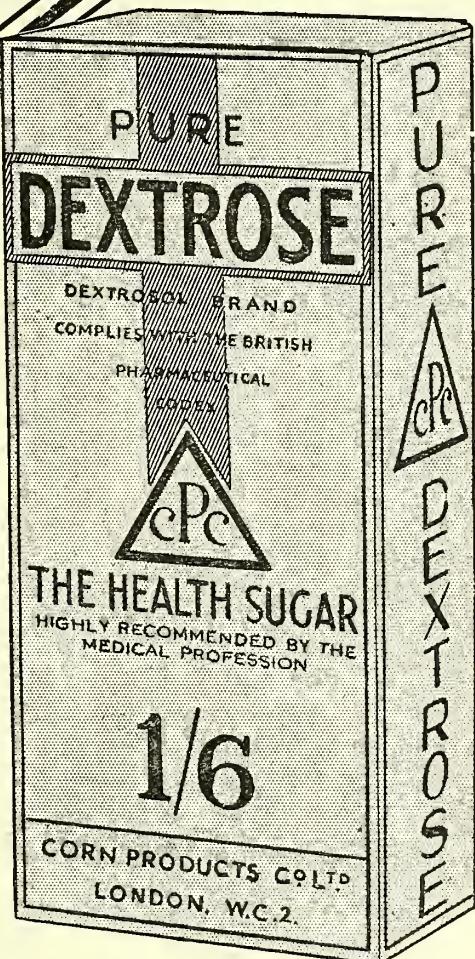
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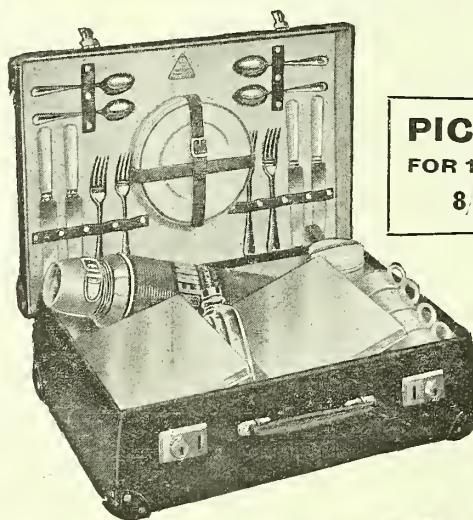
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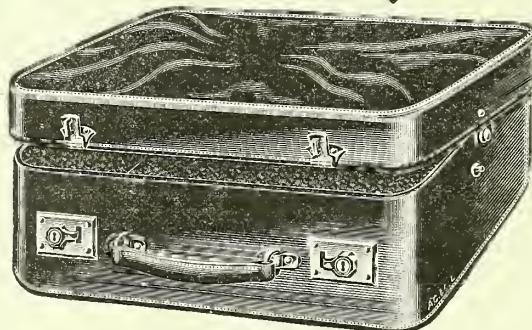
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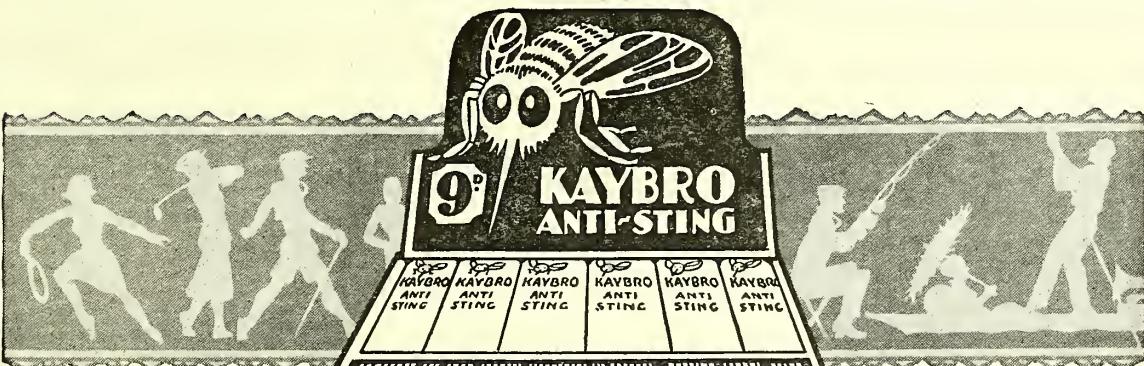
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M.C.43

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PUT A DISPLAY IN YOUR WINDOW
SO THAT THE PUBLIC MAY SEE THEY
CAN BUY THEIR MOORLANDS FROM
YOU. WE HAVE A VERY GOOD SUPPLY
OF SHOW-MATTER AVAILABLE.

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RAWDON NEAR LEEDS.

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1 case assorted as desired less extra 5%
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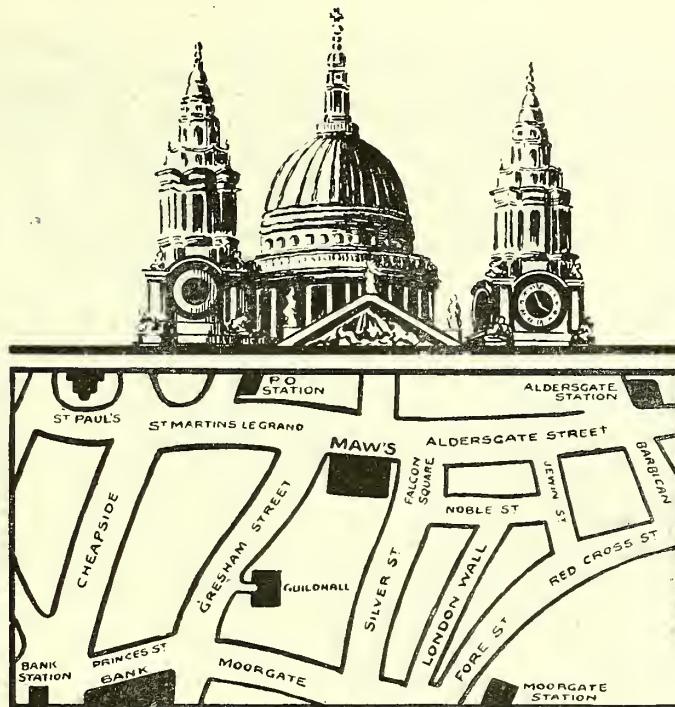
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At the hub of the Universe, in the very heart of the City of London, under the wing of St. Paul's and in the shadow of the famous hospital of St. Bartholomew—there is the House of Maw with its showrooms, the home of new pharmaceutical sundries, the birthplace of new business ideas, the Mecca of the progressive pharmacist.

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In consequence of the recent amalgamation of THE ENGINEER, LTD., proprietors of "THE ENGINEER," with MORGAN BROTHERS (PUBLISHERS), LTD., proprietors of "THE IRONMONGER" and "THE CHEMIST AND DRUGGIST," the offices of the three journals have been transferred to new and more commodious freehold premises which have been acquired at 28-31 Essex Street, Strand, W.C.2.

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Sample dozen of either sent post free at these rates.

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By featuring 'ASPRO' Displays in your window you link up your store to the largest Medicine Publicity Campaign in the World

Following the success of our recent Man-Nurse and Child Display for Chemists and the many letters of appreciation received we have pleasure in announcing a new 3-piece series now ready for distribution. These productions combine suggestion and reasons why customers should enter your store to purchase 'ASPRO'. The sooner you co-operate by featuring 'ASPRO' Displays—the greater is your opportunity of benefiting by the consumer demand created by our huge advertising campaign. Be first in the field by showing this new 3-Piece Display. Simply fill in name and address and post to Gollin & Co., Pty., Ltd., "Aspro" Dept., Slough, Bucks. The displays will be despatched to you promptly.

**17% Extra through buying
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The 'ASPRO' bonus on unstamped 'ASPRO' is as follows:— On a one gross order for 10's the bonus is one dozen packets; on half-gross order, $\frac{1}{2}$ dozen packets. Half-gross 10's is the minimum order accepted for Bonus purposes. On a $\frac{1}{2}$ gross order for 27's the bonus is 2 dozen packets, on a half-gross order 1 dozen packets, and on a quarter-gross order $\frac{1}{2}$ dozen packets. A quarter-gross order is the minimum quantity. There is no bonus on 5's or 60's.

The conditions are that the Chemist who buys on these terms undertakes to display 'ASPRO' Advertising matter in his shop window for 14 days, and sell at advertised prices. As 'ASPRO' is so extensively

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Ordinary prices for unstamped
'ASPRO' are as follows:—

3d. size (containing 5 tablets)	2/3 doz.
6d. ,,	4/6 ,,
1/3 ,,	11/6 ,,
2/6 ,,	21/- ,,

Less 2 $\frac{1}{2}\%$ 30 days.

NOTE.—The $\frac{1}{3}$ size contains two extra tablets. 2/6 size ten extra tablets.



No proprietary right is claimed in the method of manufacture or the formula.

COUPON for New 3-Piece 'ASPRO' Display.

GOLLIN & CO. PTY. LTD.
(Aspro Dept.), SLOUGH, BUCKS.
Please send me above displays.
Name.....
Address.....

O. & D.



A Good Product—A Good Display *A Pharmaceutical Sales Policy*

"MINERAL SPRING" is one of the very few nationally known salines with a definitely pharmaceutical selling policy. Its quality ensures "repeats." Its sales policy ensures that the chemist reaps the benefit. Specialise in "Mineral Spring" because, by

doing so, you build up your own good-will. Keep this window show prominently before your customers—it tells the story naturally but effectively. Counter cards and wrappers printed with name and address are also available. Fuller particulars on request.



To EXPORT BUYERS—All orders and enquiries should be addressed to our Sole Export Agents
Wm. ALFRED JONES Ltd., West India House, Liverpool

THOMAS KERFOOT & CO LTD
BARDSLEY VALE, LANCASHIRE,
& Bardsley House, London, N.1
ESTABLISHED 1797.

D/851

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OIL of LEMON SOLUBLE OIL of LEMON TERPENELESS OIL of LEMON SESQUITERPENELESS OIL of LEMON

The high standard of **QUALITY** invariably maintained by each of these Lemon products is such as to ensure true **ECONOMY** in use—as well as the maximum of effectiveness for its individual purpose. *Therefore, if it's Lemon, ask*

WHITE, TOMKINS & COURAGE, LTD.
REIGATE

Surrey

Women are delighted with this hair-tinting method

Many women learn about Nuctone first of all from their hairdresser. And knowing how easy it is to apply, how sure the results, and, above all, how *safe* it is, they give themselves further treatments at home. That's where you come in! But you can be the first to introduce Nuctone to your customers too—you know that Nuctone is absolutely safe on the most sensitive scalp, because it is guaranteed free from poisonous ingredients. Tell your customers that Nuctone gives back the natural youthful colour to the hair, and that Nuctone-tinted hair is unaffected by exposure to fresh air or frequent shampooing.

NUCTONE

FOR GREY HAIR

GRADUAL In four shades—Nuctone and Nuctone Concentré, Nuctone Eclaire and Eclaire Concentré.
3/9 per bottle, 32/- per dozen.
6/6 per bottle, 52/- per dozen.

INSTANTER In nineteen natural shades.
4/6 per tin, 33/- per dozen.
6/6 per tin, 48/- per dozen.

Order through your usual wholesaler, or from

J. C. GAMELES & CO., LTD.

211 BLACKFRIARS ROAD, LONDON, S.E.1

Tried & Proved

Rowland's Macassar Oil is no new preparation; it has been used all over the world for more than 137 years and everywhere it is held in the highest esteem. It is guaranteed to contain no injurious substance

P.A.T.A.

3/6, 7/-

& 10/6

Red for

dark hair;

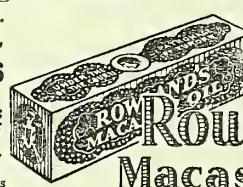
golden for

fair or

grey hair.

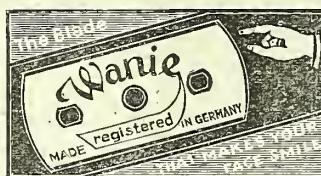
From all

Wholesalers



**Rowland's
Macassar Oil**

A. ROWLAND & SONS, Ltd., 112 Guilford St., London, W.C.1
B.M.47



**IF IT
SHAVES
IT'S
WANIE**

The Blade that SELLS as it SHAVES—
“LIKE GREASED LIGHTNING!”

Obtainable from all leading Wholesalers.

FREE SAMPLE ON REQUEST

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North'n Distributors: S. KALISKY (Aldgate) Ld., 16 Withy Gv., Manch't'r.

Irish Free State Agents

Messrs. W. A. FREEDMAN & CO., 21 Merchant's Quay, DUBLIN

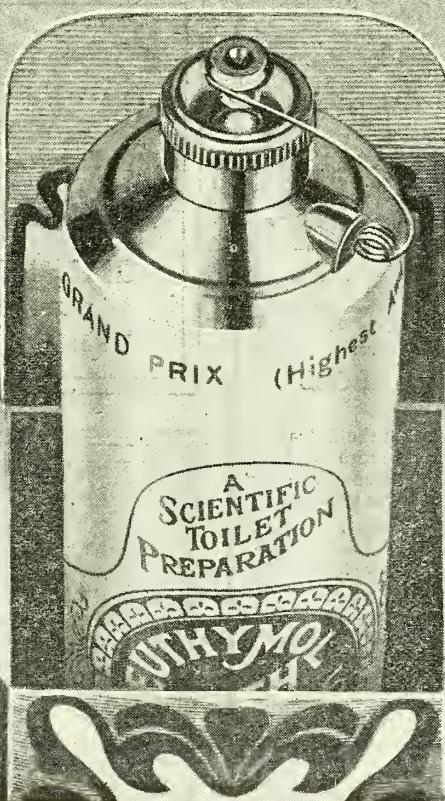
ALWAYS ON THE MOVE

THERE is plenty of energy about Euthymol Tooth Paste. When it is not confined in a drawer or hidden away in the stock room, it is always on the move.

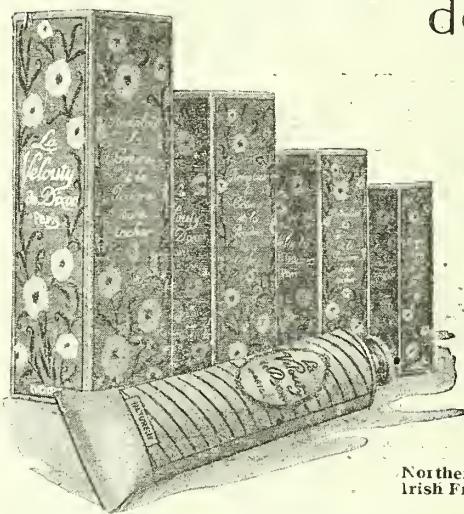
That is why so many chemists give Euthymol its chance. They know that a one-dozen display-outer permanently shown on the counter pays much more than its own rent. They often give a good window-show of Euthymol (some have permanent displays) because they find that by doing so their sales increase.

Now is an excellent time for you to show Euthymol a little more prominently than usual. Many holiday-makers are getting their luggage together.

We have special terms for quantities.
Send for particulars to:
PARKE, DAVIS & CO.
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the original combined Cream and Powder
la VELOUTY
 de **DIXOR** Paris



The advertised line that you are asked for.

NOW ON P.A.T.A.

Samples free upon receipt of trade card or billhead.

PRICES :—	Full size pot	21/-	doz.	RETAIL	2/9
	Super tube	22/-	"	"	3/-
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	Medium tube	7/-	"	"	1/-
	Handbag tube	3/-	"	"	6d.

Made in four shades:

WHITE, IVORY, NATURAL and OCHRE.

Obtainable from your regular Wholesaler or direct from the Sole British Agents :

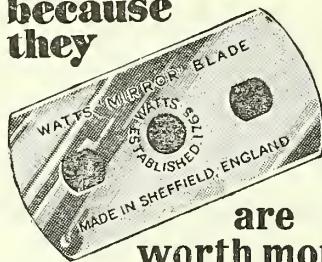
DEBACQ & HARROP,
68 Newman Street, Oxford Street, London, W.1.

Sole Distributors for

Northern Ireland : ROBERT MAYRS & CO., 43 Chichester Street, BELFAST

Irish Free State : MAY ROBERTS & CO. LTD., Grand Canal Quay, DUBLIN

They cost more because they



THE
NEW
WATTS
"MIRROR"
are
BLADES

These wonderful blades with their
**RUSTLESS REINFORCED EDGES
OF STAINLESS STEEL**

treated by a secret process are worth the extra cost. They are keener and give more and better shaves than any others on the market. The Edges are absolutely rustless in any climate.

WATTS "MIRROR" BLADES

Packed in Patent Spring Lid
Nickelled Containers of

Also in Cardboard
Cartons of

10 for 5/- 5 for 2/6
Giving the retailer 66½% PROFIT on cost

JOHN WATTS

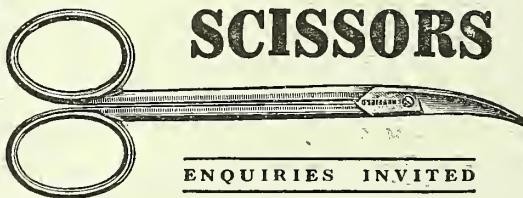
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LIMITED

LAMBERT WORKS - - SHEFFIELD

Established over 150 years

LONDON : 18 SOHO SQUARE, W.1

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GILL, HERBERT & CO., Ltd.
CUTLERY MANUFACTURERS,
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Let the "GEM" make money for you

Write for particulars and name of local agent to the manufacturers :—

THE GEM
AUTOMATIC WEIGHING
MACHINE COMPANY
LIMITED
46 NEW CITY ROAD
GLASGOW C.4



The SEASON'S
GREATEST
SUCCESS!



BOURJOIS BATH CRYSTALS

SELLING **1/-** PRICE

A guaranteed water softener — immediately soluble. Can be displayed with impunity — will not deliquesce. Marvellous value. In the popular odours, Verbena, Eau de Cologne and Layender.

This large deep bottle full of beautifully tinted crystals of first-class quality.

SEND YOUR ORDER NOW.

Cat. No. 2652. Trade Price 8/- doz.
(Minimum quantity in any single odour - half a dozen.)

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DEARBORN LTD.

37 Gray's Inn Road, London, W.C.1

Telephone: HOLEORN 9669

Toilet Specialties.	Price per doz. to Retailer	Selling Price P.A.T.A
PILENTA SOAP ..	10/-	1/-
A complexion soap.		
PROLACTUM ..	10/-	1/-
For the lips.		
PARSIDIUM JELLY ..	10/-	1/-
For wrinkles.		
ALLACITE OF ORANGE		
BLOSSOM ..	22/6	2/6
A dressing cream.		
BORANIUM ..	22/6	2/6
A hair tonic.		
CLEMINITE ..	22/6	2/6
For a face lotion.		
COLLIANDUM (Powder & Solide.)	22/6	2/6
For a face tint.		
PERGOL ..	22/6	2/6
A deodorant.		
TEKKO PASTE ..	22/6	2/6
Camphor cream.		
STALLAX ..	{ 13/6 22/6	1/6 2/6
For a shampoo.		
JETTALINE ..	31/6	3/6
For clearing the skin		
PHEMINOL ..	36/-	4/-
A depilatory.		
MENNALINE ..	36/-	4/-
For the eyelashes.		
MERCOLIZED WAX ..	{ 18/- 31/6	2/- 3/6
A face circuit.		
STYMPOL ..	36/-	4/-
For oily complexions and blackheads.		
SILMERINE ..	22/6	2/6
Hair-curling fluid.		
BARSYDE ..	22/6	2/6
Dandruff eradicator.		
TAMMALITE ..	22/6	2/6
For grey and faded hair		
LIQUID PERGOL ..	31/6	3/6
To check excessive perspiration locally.		
BICROLIUM ..	22/6	2/6
For whitening the hands.		
COCONOIDS ..	31/6	3/6
For figure development.		
SIPOLITE ..	18/-	2/-
A new depilatory.		

The Products of

Messrs. PARKER, BELMONT & CO.

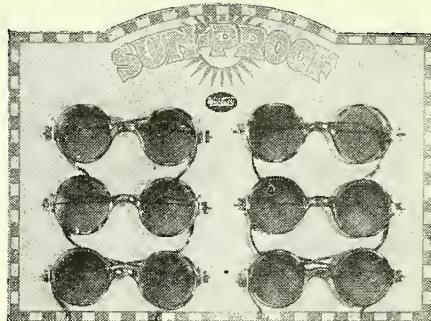
CLYNOL BERRIES ..	36/-	4/-
For obesity.		
SOFT PALERIUM ..	45/-	5/-
For wrinkles.		
LIQUID NAIL POLISH ..	10/-	1/-
Brilliant and lasting.		

Stocked by ALL Wholesale Houses.

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KEEP UP YOUR STOCKS OF

BATHING CAPS, SPONGES,
SPONGE BAGS, SUN GLASSES,
AND TOILET COMPANIONS

YOUR DAY-TO-DAY REQUIREMENTS
OF THESE CAN BE FILLED FROM

"NEWBERYS"
(F. NEWBERY & SONS LTD.)

CHARTERHOUSE SQ., LONDON, E.C.1.
Tredegar House, CARDIFF. College Lane, LIVERPOOL.

TATCHO Sample Size 6d.
6 Bottles in Case for
Counter Display,
4/- PER DOZ.

PROMOTES, PRODUCES,
BEAUTIFIES THE HAIR
1/3 size .. 12/6 per doz.
2/9 size .. 26/- per doz.
TATCHO Laboratories, 5 Great Queen Street, London, W.C.2

1/3 PROFIT ON EVERY
BOTTLE SOLD

The new eyebrow
beautifier, "PERM
BROW," has gained
the instant approval
of smart women
everywhere. It is
waterproof, does not
rub off, is easy to
apply, and lends a
lasting charm.

PERM BROW

Our consistent consumer advertising
has created an increasing demand.
Get a stock now—
every bottle gives
you 1/3 PROFIT!

Obtainable from all
wholesale houses or
direct from our West
End sales office :—



MIRUS LTD., 53a MADDOX STREET, W.1

EVERY WOMAN
WANTS THE
new
NILDÉ
SELF COMPACTING BOX

SELLING AT
4/-
COMPLETE
WITH POWDER
AND PUFF

P.A.T.A.
less **33 $\frac{1}{3}$ %**
DISCOUNT
TO TRADE

A powerful press campaign is telling women about the Nildé soft compact. It is emphasising that hard compacts, coarse grained because of the preparation used in binding the powder, are harsh to the skin. Women know now that they can make their own compacts—soft

compacts with the Nildé self-compacting box. The user's own powder goes into the compacting case, the disc behind the puff is rotated, this presses the powder flat, and there is the compact. All the advantages of a hard compact with none of its draw-backs.

This is the compact to break all sales records.
It is the easiest line you have ever had to sell.

STOCK UP NOW
AND BE READY
FOR THE GREAT
DEMAND

NILDÉ

Sole Agents in U.K.:
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The most absorbent Rubber Sponge in the world . . . Delightfully soft . . . Free from grit . . . Never gets foul Improved by soap Invaluable in the sick room . . . Lasting qualities.

IT NEVER CRUMBLES.

Also
SORBELLE

SORBELLE is the newer Sorbo range of Sponges, having all the Sorbo consistency and softness, but is offered at prices to meet foreign competition. Sorbelles, although offered at low prices, is nevertheless a GENUINE SORBO PRODUCT.



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Grams: "Sorbo, Woking."

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THE INCOMPARABLE
BLADE THAT SHEWS
120% PROFIT



DISPLAY
AND SELL
"AMO"
SHAVING
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Nationally Advertised, OBTAINABLE OF ALL WHOLESAVERS.
FREE SAMPLE BLADE AND ILLUSTRATED LIST ON APPLICATION TO—
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Kept BEST
by Test

a scientific test
that reveals the
least variation
from RODGERS'
inimitable
standard.

Write for full details

JOSEPH RODGERS & SONS, Ltd., SHEFFIELD.
Cutlers to His Majesty.

**OVER
53% !!**

This Profit on your outlay is guaranteed
to you by
The FLEET Blade



A Sheffield
Product from the
Molten Steel to the
Finished Blade.

Retails at 3 for 7½d.

Liberal trade-making samples
given to new stockists.

Bonus offered for Window
Displays.

Sample and terms from sole makers.—

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Fleet Works, Queen's Road, SHEFFIELD.

**THE PREMIER
CHEMISTS' SHOPFITTERS**

Specialists in Design and Manufacture of
CHEMISTS' SHOPFRONTS & FITTINGS

Established over half a century.

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For Immediate Dispatch

H. MILLS & SONS, LTD.
163-5 OLD ST., LONDON, E.C.1.

Moderately priced—
yet unsurpassed
at ANY price

MYATT DAYMARK BLADES

For double-edge razors

Five for 1/3
50% PROFIT
ON COST

Sole Manufacturers

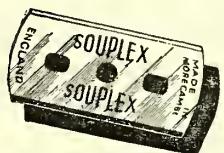
W. J. MYATT & CO., LTD.
BIRMINGHAM

**ORDER
THESE
BLADES
NOW!**

*New
Low Prices
offer big
inducement
to Shavers
LOOK!*

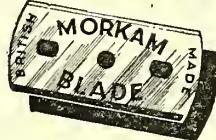
SOUPLEX 2^D

Profit to you on
buying price 92%



MORKAM 1½^D

Profit to you on
buying price 72%



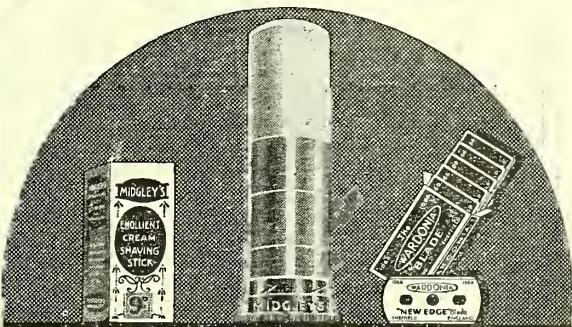
**DOUBLE
SIX 1^D**

Profit to you on
buying price 50%



Souplex Ltd., Morecambe

FREE!



Genuine 9d. Midgley's Full-size
Shaving Stick with each 1/3d.
packet of Wardonia "New Edge"
Blades purchased.

That's the offer thousands of retailers are making good profits on. Widely advertised in the National and Provincial Press. Generous supply of Window and Counter Display Matter FREE with every order. Delivery guaranteed of first order whatever quantity, so order generously and at once from your usual wholesaler or direct

**Enormous Demand
Order at once
50% PROFIT
FOR YOU**

TRADE TERMS:-

1 to 4 Cartons
(per carton) 21/-

5 Cartons
(per carton) 20/-

10 Cartons
(per carton) 19/-

20 Cartons
(per carton) 18/-

*How Packed:
In attractive Display Carton
CONTAINING—*

**24 PACKETS of 5
WARDONIA Blades
& 24-9d. Midgley's
Shaving Sticks.**

RETAIL VALUE OF
ABOVE CARTON 30/-



FOR TWO MONTHS ONLY

Sole Makers:

THOMAS WARD & SONS LTD

Wardonia Works, Sheffield, England



BEADED BOXES

The boxes illustrated above are finding increasing favour amongst chemists. They are dust-proof and air-tight and of a very attractive appearance. Fitted with a flanged metal lid which is easily lifted out they form a very useful container.

Blank panel on reverse side for printing in Customer's name and address.

ROBINSON & SONS, Ltd.

Manufacturers of ROUND, OVAL, SQUARE AND FOLDING CARDBOARD BOXES.

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NURSE HARVEY'S MIXTURE

A safe, simple and reliable remedy for Children's Ailments is advertised so extensively in the daily and weekly Press as to bring mothers to the retailer without effort on his part.

The selling has been done before the mother reaches the chemist, and, having supplied her, it is only common sense to claim she will buy other family necessaries from him. Moreover, the continuous demand for it produces a quick turnover.

For Direct Terms apply to—
OSCAR SCRUTON & CO., YORK

now!

**ONE stock takes
the place of SIX**

that, and the fact that SELO sales are steadily rising provide sound reasons why you should handle:-

SELLO
The fast
SELLUM



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Watford.

*Joint product—combining all the merits of
and distributed by*

**IMPERIAL ILFORD
ILLINGWORTH RAJAR
GEM and WELLINGTON**

WAXED PAPER BAGS AND LINERS for CARTONS

THE MODERN PACKING FOR CHEMICALS
AFFECTED BY ATMOSPHERIC CONDITIONS.

For particulars apply to
**WAXED BAGS
LIMITED**
Curtis Buildings
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Tel.: - - WILLESDEN 3620

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190 Clapham Road, London, S.W.9

Founder : G. S. V. WILLS, Ph.C. Principal : P. H. WOODNOOTH, Ph.C., F.C.S.

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Full details and prospectus may be obtained from The Secretary

MANY SUCCESSES IN THE EXAMINATIONS
Your Opportunity to

QUALIFY IN OPTICS

PRACTICAL WORK. Students taking the course
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Expert Tuition for the SIGHT-TESTING DIPLOMAS of the Worshipful Company of Spectacle Makers (F.S.M.C.) ; the British Optical Association (F.B.O.A.) ; the National Association of Opticians (F.N.A.O.) ; or the College of Optics (F.C.O.).

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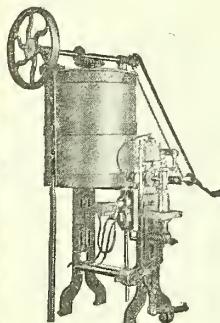
The record makers in speed filling with cleanliness.
Foot-Operated Machines. From £5 5s.
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Soundly constructed, simple in action, easy to clean.

NEW PATENT SHALLOW TIN FILLING MACHINES

Automatic CAN FILLING
MACHINES, MIXING
MACHINES, CORKING
MACHINES.

NEW PATENT ACCESSORIES TO "NELSON,"
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BOTTLE FILLING
MACHINES enable them to be
used as Vacuum Fillers, Gravity
Fillers or Pressure Fillers at will.



WRITE TO-DAY TO

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courses in preparation for the PRELIM.
SCIENTIFIC and CHEMIST & DRUGGIST
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BENCHES in our LABORATORIES now being reserved.
Apply :—The Principal, 361 Clapham Road, S.W.9.

YOU take no risks

when you send your D and P to

PHOTOPRESS

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LONDON, E.C.4.

**Some paramount reasons
why you should sell—
SHERLEY'S**



DOG & CAT MEDICINES

LACTOL & LACTOL BISCUITS!

Famous kennels rely upon Sherley's. Breeders and owners use Sherley's. Both the expert and the amateur are buyers of Sherley's.

Champions of all Breeds have been reared on Sherley's LACTOL & LACTOL BISCUITS.

All Sherley's products are protected at prices which ensure a satisfactory profit and are supplied on terms which eliminate all risk of loss.

There are thousands of dog and cat owners in your district. Get their custom—sell and recommend Sherley's Products. Literature and showcards available. Send a post card for particulars.

A. F. SHERLEY & CO. LTD., 18, Marshalsea Road, London, S.E.1.

SPECIAL QUANTITY TERMS

are available for the famous Sherley Tonic and Condition Powders and Worm Medicines—now packed on attractive display cards—also for £2 assorted parcels.

C.F.H. 125

RADIO-ACTIVE



The LAST WORD in Poultry Medicine
Acknowledged to be the World's finest cure and preventive for Poultry ROPU, &c., and used by leading Breeders throughout the country, VISOL is now possessed of RADIO-ACTIVE properties which enable the Poultry Farmer to completely control the health of his flocks. Don't let these easy sales slip through your fingers. Get a supply of Radio-Active Visol NOW.

VISOL LABORATORIES

Experimental Poultry Farm, Great Barr, nr. BIRMINGHAM

**BATTLE'S
VERMIN
KILLER**

The sure destructive agent which may be confidently recommended by Chemists for quick clearance of rats and mice.
(Users' testimonials on request.)

Prepared only by
J. C. M. BATTLE, Ph.C., LINCOLN

Of all Patent Medicine Houses at 3/-, 5/-

and 9/- per dozen.

In packets at 5d.,
9d. and 1/3 each.
(P.A.T.A.)

SAVE 35%



The secret of how your competitor can sell at such apparently ridiculous prices and still make a profit is often that he has learned to know our

"TINALLUM" TUBES

which are 35% cheaper than Tin tubes.

Tested for Toothpastes, Shaving Creams, Cold Cream, Day Cream, &c.
Contents will not discolor in a "Tinallum" Tube.

WE ARE ALSO LARGE MAKERS OF PURE TIN TUBES AND COMPOSITION TUBES FOR ALL PURPOSES. ARTISTICALLY DECORATED IN VARIOUS STYLES.

The new coloured "Bakelite" caps can be supplied.

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Here are 3 Lines in SHAVING BRUSHES taken at random from our extensive stocks:

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RETAIL 12/6

ENGLISH MADE

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No. 9916 Pure Badger
Stump pattern, excellent value
30/- doz.



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A good bold brush, as size 7
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GUARANTEED

RETAIL 7/6



No. 9918 Pure Badger
Stump pattern size as No. 6
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EACH BRUSH BOXED SINGLY

We hold large stocks of all kinds of Brushes, at all prices, and your enquiries for any line will receive our prompt attention. Sample collections sent willingly

QUALITY

SERVICE

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PURIFYING INVIGORATING

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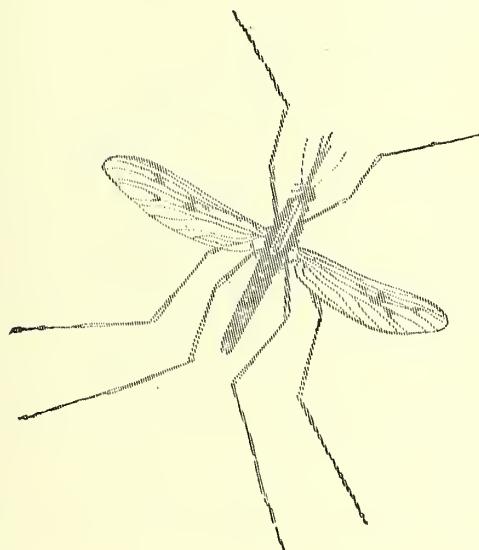
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THE CHEMIST AND DRUGGIST



A WEEKLY JOURNAL OF PHARMACY,
THE DRUG, CHEMICAL & ALLIED TRADES.

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English and Welsh News

The Editor will be obliged if subscribers will send him marked copies of newspapers containing items of interest for insertion in this or other news sections.

Inter-Imperial Trade

At a meeting of eminent British bankers held at Hambro's Bank in the City of London on July 2, presided over by Sir Eric Hambro, the following resolution was passed:—

It is resolved that urgent measures for the promotion of inter-Imperial trade are needed to secure and extend the market for British products both at home and through the export trade.

Bitter experience has taught Great Britain that the hopes expressed four years ago in a plea for the removal of the restrictions upon European trade have failed to be realised. The restrictions have been materially increased, and the sale of surplus foreign products in the British market has steadily grown.

While we retain the hope of an ultimate extension of the area of free trade throughout the world, we believe that the immediate step for securing and extending the market for British goods lies in reciprocal trade agreements between the nations constituting the British Empire.

As a condition of securing these agreements Great Britain must retain her open market for all Empire products, while being prepared to impose duties on all imports from all other countries.

A further meeting of bankers was held in the City on July 7, when the terms of the resolution were officially confirmed, and nine other financial authorities added their names to those of the original signatories.

Analysts' Reports

The Durham county analyst reports that further attention has been given to such preparations as "glycerine, lemon and ipecac." Three samples of this nature have been dealt with during the quarter, two of which were found to be in accordance with their descriptions, but the third sample was found to contain no lemon; the acid present was tartaric acid.

The Cheshire county analyst reports that the accuracy of three prescriptions has been tested with results proving the skill of the dispenser. About twenty other types of drugs and galenicals have been dealt with, and nothing could be urged against either their composition or appropriate degree of purity. One of them, bismuthated magnesia, sold as a known, admitted and approved remedy, corresponded almost exactly with the "guaranteed" composition.

The Warwickshire county analyst reports that three informal samples of dilute nitrate of mercury ointment purchased were passed as genuine. One informal sample and an official sample from the same vendor were found to be somewhat below the limit: the vendor was cautioned. Three informal samples of prepared calamine received were found to satisfy all requirements, but two informal samples from different vendors were found to contain approximately 70 per cent. of barium sulphate and to be coloured with a red aniline dye. An official sample taken later from one vendor consisted, however, of the genuine article, while that taken from the other vendor was of the same composition as the informal sample. The vendor of the adulterated sample, however, produced satisfactory evidence that he was supplied with the substance in that state.

An Historic Pharmacy

Particulars are given, in a recent issue of the "Stamford and Rutland News," of the history of the business now owned by Mr. G. A. Johnson, chemist and druggist, in Red Lion Square, Stamford, and just enlarged and modernised to his specification. The building itself is believed to be at least 400 years old, and to have been used as an inn at one period. A chemist's business was established here as long ago as 1720 by Solomon Woodroffe, to whose memory there is a mural tablet in St. John's Church, and it was continued by members of his family for over 100 years. In 1850 the business

was purchased by Mr. George Patterson, who came from Ulverstone, Lancashire, and was elected Mayor in 1867. He retired in 1878 and went back to Ulverstone, where he died. Mr. Patterson was succeeded by Mr. J. H. Stanford, who relinquished the business in 1889; it was then acquired by Mr. C. F. R. Pars. Mr. Pars conducted the business until 1897, when he took another at Bournemouth (in which he is still interested), and it was then purchased by Mr. G. A. Johnson, who came from Rugby. A large building behind the shop is of considerable antiquarian interest.

Inquests

An inquest was held at Ipswich, recently, on the body of Mr. F. C. Stacey, retired chemist and druggist, who died suddenly on July 1. Medical evidence attributed death to cardiac failure, and a verdict was returned accordingly.

A case of poisoning by paraldehyde was investigated by the Westminster coroner on July 8. The deceased, James S. Law, Litchfield Street, W.C.2, left a letter stating: "I have taken all the sleeping dope I have accumulated for months." A verdict of "Suicide while of unsound mind" was recorded.

An inquiry was held at Canning Town, London, E., on July 1, concerning the death of Miss Ellen Hadfield, who, while engaged in developing a batch of films in her father's pharmacy, was found lying on the floor of the dark-room with an electric fan, still running, in her lap, and part of the lead across her body. Mr. Hadfield switched off the current, but it was discovered that his daughter was dead. Mr. Hadfield, giving evidence, said that his own electric fan, which was a fixture, had been sent for repair, and he had been lent a portable one. Death was certified to be due to suffocation and shock from an electric current. The jury returned a verdict of "Death by misadventure," and expressed the opinion that the fan ought not to have been sent out in a leaky condition.

Birmingham

Many interesting plants are now to be seen at the Edgbaston botanical gardens.

Mr. A. Granger, chief inspector of weights and measures to Birmingham Corporation, is retiring, and will be succeeded by Mr. W. T. Cherry.

The old book-lamp shop in High Street, in 1790 occupied by a bookseller and vendor of proprietary medicines and perfumes, is about to change hands.

Among the wedding presents given to Mr. Innes Barclay, B.A., from the directors and managers of Southall Brothers and Barclay, Ltd., on the occasion of his marriage (p. 48), were a Georgian silver fruit set, antique chair, nest of tables, revolving soup and entrée dish, English cut-glass bowls, silver double condiment set, coalport coffee set, silver cocktail set, and clock with Westminster chimes. From the staff and work-people at Charford Mills, Saltley, Lower Priory and Bromsgrove, were sent two silver trays weighing 167 oz., and a Georgian barometer.

Liverpool

Many American visitors are staying in Liverpool and the district a few days before proceeding south.

Mr. Thomas Marns (member of the Pharmaceutical Society's Council) visited Liverpool recently and made several calls.

Miss Marjorie Robinson, only daughter of Mr. John H. Robinson, has passed her intermediate examination for the B.A. degree of Liverpool University.

Mr. W. H. Saunders, F.C.S. (chairman of Ayrton, Saunders & Co., Ltd.) is now on his way to Australia and New Zealand on his customary business tour.

Mr. H. Humphreys Jones, F.I.C., Ph.C., who has been unwell for some weeks past, underwent the operation of cholecystectomy in a nursing home on July 9.

Mr. Humphreys Jones is reported to be as comfortable as can be expected, and it is hoped that his recovery will be uneventful. A telegram received from a Liverpool chemist just as we were going to press states that the patient was going on satisfactorily and had had a fairly good night.

Alderman Edwin Thompson, governing director of Thompson & Capper Wholesale, Ltd., and chairman of the water committee of Liverpool Corporation, was elected president of the British Waterworks Association on July 9, and delivered an address summarising lucidly and in a small compass the analytical, hygienic and other aspects of public water supply. It appears that the first Act of Parliament relating to the water supply of Liverpool was passed in 1709. Alderman Thompson remarked that in domestic fittings Canada and the United States are greatly in advance of this country.

Members of the Old Students' Association of the Liverpool School of Pharmacy recently paid a visit to the works and laboratories of Evans Sons Lescher & Webb, Ltd., Hanover Street. Many new features were shown, and the visitors were afterwards entertained to tea at the Bear's Paw by Messrs. Evans. Mr. Brinson, in a speech of welcome, introduced Mr. Lescher, who said that a tour of this nature was of mutual benefit. He invited the members of the Association to visit the laboratories at Runcorn on some future occasion. Mr. Lamb apologised for the absence of the president and other officials of the Association, and thanked the directors for their hospitality and invitation.

Manchester

The Salford pageant week has been a revelation, even to those people that thought they knew something of their own city.

At the recent monthly meeting of the Manchester Pharmaceutical Committee, Mr. D. Dickson in the chair, a resolution was passed that a note of condolence be sent to the relatives of the late Mr. Walter Lord, who had been a valued member of the committee for many years.

By the untimely death of Mr. T. H. Winstanley, of Wigan, the B.P.C. Committee, which has recently been formed in connection with next year's meeting of the Conference in Manchester, will lose a member whose keen interest and activity were noteworthy. It is only a few weeks since Mr. and Mrs. Winstanley were at a meeting in Manchester in connection with the Conference of 1931.

Sheffield

Mr. John Austen, Ph.C., has been appointed president of the local Rotary Club.

The examination for the Izal scholarship is to be held during the last week in August. Particulars may be had from Mr. Kirman, 49 Church Street.

Mr. Thomas Daykin, chemist and druggist, 448 London Road, has disposed of his business to his brother, Mr. George Shaw Daykin, chemist and druggist.

The following are the prize-winners among the Part I pharmacy students:—First year, A. Hawkes (1st class in all subjects), T. A. Shardlow, D. Stathers; second year, A. Woodland, E. Ibbotson, A. Lomas, S. Gaffrey, G. Brailsford, S. Staveley (all 1st class in all subjects).

Miscellaneous

Poison-Licence Application.—Mr. Sydney Field, Station Road, Gerrards Cross, has applied to the Buckinghamshire County Council for a licence to sell nicotine and lead arsenate.

Explosion.—On July 4 an explosion occurred at the works of Hickson & Partners, Ltd., manufacturing chemists, Castleford, resulting in the death of thirteen employees and serious injury to fifteen others.

Fire.—Considerable damage was done by an outbreak of fire at the pharmacy of Mr. James E. Wood, chemist

and druggist, Armthorpe, early on July 4. Originating in the rear of the premises, it spread to the shop.

PHARMACISTS' SECTION OF BRITISH ESPERANTISTS.—On June 7 the inaugural meeting of the Pharmacists' section of British Esperantists took place in the University College, Nottingham. Mr. Churchill (Derby) was elected president; Mr. McCallum (Edinburgh), vice-president; and Mr. F. B. Elwell (Wanstead, London, E.11), secretary and treasurer. The proposed rules were submitted, and, after amendment, passed.

PRICE-PROTECTION INQUIRY.—The Federation of British Industries has appointed a committee which will furnish the Government with views upon the general principles of price maintenance. Its members are Sir Roland Nugent, director of the Federation; Mr. S. E. Cash, its solicitor; and Mr. H. L. Kenward, sales manager of the Dunlop Rubber Co., Ltd. The last-named has prepared evidence, which has been forwarded to the Board of Trade.

WHIST DRIVE.—A whist drive was held at the residence of Mrs. T. Badgett, Newport, on July 7. Amongst those present were Mrs. J. D. Jenkins, Mr. and Mrs. Mogg, Mr. and Mrs. Loyley, Miss Jabez Jones, Mr. and Mrs. Hague, Mr. and Miss Maisie Murray, all of Cardiff. The prize-winners were as follows:—(1) Mr. Murray; (2) (lady playing gentleman), Mrs. Hague; booby prize, Mr. F. E. Clarke (Newport); (1) ladies, Mrs. Mogg; (2) Mrs. Firbank.

END OF A PHARMACY COURSE.—At Swansea, recently, the Higher Education Committee agreed that the pharmacy apparatus at the Technical College should be disposed of. Mr. W. T. Hughes pleaded that this course should not be adopted. He had his views of the Pharmaceutical Society, and felt that they should not be allowed "to get away with it in the manner they would like." Another member of the Committee said that certain people were of the opinion that education in Swansea was being grossly overdone. After considerable discussion the matter was referred to the chairman, director and principal to report further on the disposal of the apparatus.

IN THE COURTS.—At the Staffordshire Assizes, on July 4, Percy Lessen Wain, wholesale chemist, Stoke-on-Trent, pleaded "Guilty" to conspiring to defraud the Inland Revenue of sums of money due in respect of income tax and excess profits duty. Sir Reginald Coventry, K.C., for the defence, urged that it was his client's sense of honesty that had brought him to the present position by his accurate return of his private affairs. The judge fined the defendant £500, and ordered him to pay two-thirds of the cost of the prosecution. His co-defendants were discharged.—At Wolverhampton Police Court, on July 4, Harry Roberts, grocer, Dudley Road, was fined 30s., with £2 18s. 6d. special costs, for having sold artificial vinegar as "table vinegar."

Irish News

Brevities

The National Health Insurance Act (Northern Ireland), 1930, has been issued by the Stationery Office (price 6d.).

Mr. Fred Storey (president of the Pharmaceutical Society of Northern Ireland) presided at a recent meeting of the Committee of the Cancer Research Fund (Northern Ireland branch).

Prizes for window displays in the recent Ennis shopping week were awarded to chemists as follows:—1st, Mr. P. K. Ryan, Ph.C.; 2nd, Mr. J. A. O'Neill, Ph.C.; 3rd, Mr. J. C. Heffernan, R.P.

Belfast

Mr. Edward Boyd has taken over the pharmacy of Mr. Thomas McDowell, at 54 Albertbridge Road.

Mr. W. Martin, Ph.C., has taken over the pharmacy of Mr. R. B. Abernethy, Ph.C., 225 Holywood Road.

Scottish News

Brevities

Mr. George E. Davie, son of Mr. G. M. Davie, chemist and druggist, Hilltown, leads the list in the John Welsh Classical Bursary competition of Edinburgh University.

Mr. G. Gordon Smith (representative of William Currie & Co., Caledonian Rubber Works, Edinburgh), who has been obliged to relinquish his duties owing to ill health, is succeeded by Mr. George Pringle.

In the recent annual rink tournament under the auspices of the Northern Counties Bowling Association, the Thurso team (skipped by Mr. W. Cumming, chemist and druggist) beat Wick (skipped by Mr. George Banks, chemist and druggist) in the final by 9 up.

At Dundee Sheriff Court, recently, Alexander Wood (30), Annfield Street, described as a canvasser, was sentenced to six week's imprisonment for embezzling money belonging to Hannetta, Ltd., manufacturing chemists, Bristol, by whom he was employed.

Glasgow

Two firemen were injured at a recent fire at the premises of Griffin and Tatlock, scientific instrument makers, 45 Renfrew Street.

It is proposed to build an extension of the Royal Technical College in Montrose Street, to accommodate the new School of Pharmacy.

Mr. James Tennant, who has been associated with Charles Tennant & Co., Ltd., manufacturing chemists, for many years, died at Ayr on June 21, at the age of ninety.

A special meeting of the Chemists' Friendly Society was held on July 3 to consider the disposal of the surplus shown in the third actuarial valuation of the Society as at December 31, 1927. In the unavoidable absence of the president (Mr. Anthony McMillan), Mr. John B. McVitae occupied the chair. The meeting unanimously resolved, in terms of the Approved Societies Regulations, (1) that the cash benefits payable to members who joined the Society prior to January 3, 1926, who have the requisite number of contributions to their credit and whose accounts are not in arrears, be double the statutory rates; and (2) that the treatment benefits payable to members who joined the Society prior to January 1, 1928, be as follows:—Dental, 80 per cent. of the approved cost; ophthalmic, as the Society's existing scale; surgical, 80 per cent. of the approved conditional cost. Different terms are arranged for members who did not join the Society until after January 3, 1926.

Business Changes

Miss W. M. MACDONALD, chemist and druggist, has opened a pharmacy at 10 Main Street, Tobermory.

MR. FREDERICK LAING, chemist and druggist, has commenced business in Rosemount Place, Aberdeen.

MR. CHARLES COUTTS, chemist and druggist, 26 Broad Street, Aberdeen, has opened a branch shop at 2 Schoolhill.

Coming Events

This section is reserved for advance notices of meetings or other events. These should be received by Wednesday of the week before the meetings, etc., occur.

Thursday, July 17

Pharmaceutical Society, North London Pharmaceutical Association and North Metropolitan Branch. Annual sports day on the grounds of S. Maw, Son & Sons, Ltd., New Barnet. Sports commence at 3 p.m.

Legal Reports

Alleged Passing Off.—In the Chancery Division of the High Court, London, on July 9, Mr. Justice Clauson began the hearing of an action by F. W. Hampshire & Co. (1927), Ltd., manufacturing chemists, Sunnydale Works, Derby, against the General Kaputine Syndicate, Ltd., manufacturing chemists, Lille Street, Manchester. The plaintiffs sought an injunction restraining an alleged infringement by the defendants of their trade mark "Snowfire," and passing off by means of packets, wrappers, labels and cartons the get up of which was only colourably different from that of the plaintiffs'. The defendants denied the allegations. Mr. Archer, K.C., for the plaintiffs, said that the defendants called their product "Sunshine Snow," and both products were an ointment to remedy the effects of exposure to the weather. The substantial point in the case was not so much infringement as the get up, and the complaint was that the defendants' manner of dealing with their goods was calculated to deceive people—and had deceived them—into the belief that their goods were the plaintiffs'. Mr. William Lander, a director of the plaintiff company, said that "Snowfire" had been on the market since 1909. He claimed that the get up was distinctive of their goods. In cross-examination by Sir Duncan Kerly, K.C., witness agreed that the use of the word "snow" in connection with emollients for chapped hands, cracked lips or sunburn was common among pharmaceutical chemists. The hearing was adjourned.

Automatic Machine Dispute.—At Liverpool County Court, on July 8, L. W. Mussell, Ltd., chemists, Garston, sued the Super Automatic Machine Co., Ltd., Western Road, Mitcham, claiming damages for alleged breach of contract. The case for the plaintiffs, as described by Mr. A. Hamilton, and given in evidence by Mr. Leonard W. Mussell, chemist and druggist, was that, as the result of negotiations between himself and a man named Bennison, representing the defendant company, he undertook to purchase one of the defendants' machines on condition that no similar machine should be erected in Garston Village against the order of the plaintiffs, except at their branch shop. After the machine was delivered Mr. Mussell discovered that two similar machines were in operation in Garston. Mr. Hamilton submitted that the contract had been ratified by the defendant company. Mr. R. B. Stephenson, for the defence, contended that Bennison had no authority, as the defendant company's agent, to make any such contract as that alleged by the plaintiffs, and that the contract form expressly provided that the agreement was to be subject to confirmation by the chief office of the defendants. The defendants had undertaken to take the machine back, and to refund the instalments paid on it by plaintiffs. Judge Dowdall, in giving judgment, said that Mr. Mussell had noticed that Bennison had no right to exceed the printed terms on the agreement form, and the company had been supplied with a signed contract in which the printed terms had been left unaltered except in regard to an immaterial matter like repairs. It might not have been the bargain made with Bennison, but it was the bargain made with the defendant company. The contract had been carried out on both sides. The defendants were not bound to offer to take the machine back. There would be judgment for the defendants, with costs.

Shopfitting Dispute.—In Shoreditch County Court, London, on June 20 and July 3, J. Bennett, Ltd., shopfitters, Parkhurst Road, N., sued Marshall (Chemists), Ltd., High Street, Kingsland, E., to recover the sum of £61 8s. rd., balance of an account due for fitting out the defendants' shop. The defendants filed an affidavit stating that in September 1928 they agreed that the plaintiffs should do the shopfitting at a cost of £250 and extras, which the plaintiffs said would come to £35 16s. 7d., of which total they had paid £224 8s. 6d. They alleged that the shelves which were intended for show purposes were fixed in a dangerous manner, as the brackets were too short, which resulted in an acci-

dent, causing a quantity of goods to be damaged and injuring a shop assistant. They also alleged the window was not watertight and paintwork on the lettering had fallen off, and counterclaimed £25. Mr. Lowe appeared for the plaintiffs and Mr. Gordon Clark for the defendants. Evidence was given for the plaintiffs that the defendants wanted a cheap job, and in some cases old material was used. The defendants were seen after the alleged accident in the shop, but they did not claim that the damaged goods should be paid for. Shaped edges to the shelves were not included in the contract, and the plaintiffs could not do it for the price. Mr. John Thomas, traveller to the plaintiffs, said he visited the defendants' shop on June 19; although there had been a deluge the previous night, there was no trace of any water in the shop, while the window was well dressed, showing that the shelves had been used. For the defence, Mr. Marshall said that when the work was first carried out he did not notice any difficulties, but later he noticed that the shelves were not properly fixed, and they had fallen, causing damage in the shop to certain stock, of which he gave particulars. Cross-examined, he agreed that he had no desire to spend a lot of money on the fitting of the shop. Arthur Jennens, shopfitting expert, explained the nature of the defects of the shelves in the window. Deputy-Judge Thesiger, giving his decision, said that he thought such a case as this should have been tried by an expert. He would find for the plaintiffs on their claim for the amount claimed, with costs, and in favour of the defendants for their counterclaim for £30 for putting the work right, and £12 damage to stock, £42 in all, also with costs.

Food and Drugs (Adulteration) Act.—At Tower Bridge Police Court, London, recently, Harry Wiseman, dealer, 20 Stoney Lane, E.1, was summoned under the Food and Drugs (Adulteration) Act, 1928, for having sold boric ointment which had been mixed with ingredients or materials (water and soap) so as to affect injuriously the quality or potency of the drug, contrary to Sec. 1 (2) of the Act. He was also summoned for selling an article or drug to which he had wilfully given a false description, contrary to Sec. 30 (1) of the Act. Mr. Vernon Gattie, barrister, appeared for the Southwark Borough Council. The defendant at first pleaded "Guilty," but afterwards "Not guilty." Mr. Schneiderman said his wife traded at 163 Newington Causeway. On March 31 the defendant sold him a quantity of what purported to be boric ointment. The magistrate (Mr. Campion) suggested that it might be sufficient if counsel outlined the case. Mr. Gattie said that these were not alternative summonses, but related to different offences. They arose out of a case before the Court in which Mrs. Sarah Schneiderman was summoned for selling this preparation at her shop. She was convicted and fined (C. & D., June 7, p. 686). Mrs. Schneiderman, through her husband, bought 61 gross of this "ointment" at 3s. 6d. a gross. It was admitted that the present defendant had only paid 2s. 6d. a gross for it. The defendant called on the town clerk and told him he had got it from a man named Rogers, a job lot, and that the tins it was put up in—bearing the name of Parkes Drug Co.—were also job. He relied on Rogers's word and on the fact that the name of Messrs. Parkes was on the tin, as they were a firm of the highest repute. Mr. Kirby said he was watching the interests of Messrs. Parkes. Mr. C. Dickinson, public analyst, Southwark, said that there was a 96 per cent. deficiency in boric acid and no paraffin ointment in the sample he received. The defendant said that when he heard of Schneiderman's trouble he tried to get into touch with Rogers and sent him letters and postcards, which had been returned. He handed in some invoices purporting to be from Rogers. The Magistrate: I see the headings have all been cut off. Defendant: Rogers said he had no invoices, so I lent him some of mine, and he cut off the headings. The Magistrate: I am unable to find that you have exercised reasonable diligence in this matter, and I shall convict you. You must pay £50 on the first summons and £10 costs, and £20 on the second.

New Companies and Company News

P.C. means Private Company and R.O. Registered Office.

A. TOBIN, LTD. (P.C.)—Capital £400. Objects: To carry on the business of chemists and druggists, and opticians, etc. The permanent directors are: Dr. O. Tobin and Mrs. S. Tobin. R.O.: 49 Barford Street, Mile End, E.

FLAVOURS, LTD. (P.C.)—Capital £1,000. Objects: To carry on the business of manufacturers of fruit essences and flavouring materials, etc. The directors are: A. Wuertz and C. H. Temple. R.O.: Dominion House, Bartholomew Close, E.C.

GREYSONS, LTD. (P.C.)—Capital £500. Objects: To carry on the business of dealers in and manufacturers of drugs, chemicals, surgical instruments, etc. The directors are: T. Warburton, 27 Monmouth Avenue, Bury, and Mrs. G. Warburton.

DRAYCOTTS (BILSTON), LTD. (P.C.)—Capital £500. Objects: To acquire the business of a chemist and druggist carried on by H. M. Draycott, M.P.S., at 104 Clifton Street, Hurst Hill, Bilston, Staffs. The subscribers are: W. E. Marlow and J. B. Blakemore.

PETER TAYLOR, LTD. (P.C.)—Capital £1,000. Objects: To acquire the business of a retail chemist now carried on by Emily B. Taylor at 18 Park Road, Regent's Park, N.W., as "Peter Taylor." The directors are: Miss Emily B. Taylor, H. P. Taylor and W. H. Jones.

E. J. CHALLENGER, LTD. (P.C.)—Capital £500. Objects: To acquire the business of a chemist and druggist heretofore carried on by Gertrude M. Challenger at 41 Rolle Street, Exmouth, Devon. The subscribers are: Mrs. Gertrude M. Challenger and L. G. Carpenter, M.P.S.

ANGLO-GERMAN PHARMACEUTICAL PRODUCTS CORPORATION, LTD. (P.C.)—Capital £500. Objects: To carry on the business of chemists, druggists and dispensers, manufacturers and importers of and dealers in drugs, chemicals, etc. The subscribers are: C. B. Little and G. B. Pirie. R.O.: 94/98 Regent Street, W.I.

JOHNSON & JOHNSON (GT. BRITAIN), LTD.—Mr. J. A. Jamieson, who has for many years represented the Scottish interests of the company, has been appointed a director.

A. BOAKE, ROBERTS & CO., LTD.—The accounts show a net profit for the year to March 31 of £28,995 (against £30,965 for 1928-29) and £25,830 was brought forward. The dividend is maintained at 7 per cent., tax free, by a final payment of 1 per cent., and £5,000 is again placed to reserve, increasing it to £90,000, leaving £30,825 to be carried forward.

WRIGLEY (SALES), LTD.—Mr. Justice Bennett, in the Chancery Court on July 8, confirmed a reduction of capital from £200,000 to £150,000. Counsel said the company sold chewing gum, the use of which had been very successfully cultivated by judicious advertising. It was proposed to pay back to the preference shareholders the preference capital (£50,000), which was in excess of the company's requirements.

GUÉNEAUX (ENGLAND), LTD.—Mr. G. Bernard Thompson, who holds the position of general manager with Guéneaux (England), Ltd., has joined the board as director. Mr. Thompson is a Fellow and ex-Vice-Chairman of the Incorporated Sales Managers' Association, and Chairman of their Examination and Educational Committee.—Miss F. A. Lipsett, 27 Waring Street, Belfast, will represent Guéneaux (England), Ltd., in Northern Ireland from July 1, 1930.

P.D.S. (LEEDS), LTD.—A meeting of shareholders was held on July 4 at the Hotel Metropole, Leeds, Mr. Harry Parsons in the chair, supported by Mr. F. C.

Stock (vice-chairman). Mr. Parsons informed the shareholders that the amount of business done in the opening weeks was entirely satisfactory, and that the company was going to be very successful. The following Leeds chemists were appointed directors, in addition to Mr. Parsons and Mr. Stock:—Messrs. N. H. Burns, W. Eaddie, C. B. Mitchell, E. S. Mitchell, T. Shooter and R. Swaites. Mr. W. Eaddie was appointed secretary and Mr. N. H. Burns assistant secretary.

SANGERS, LTD.—The accounts show a net profit of £60,302 for the year to March 31 (against £54,896 for 1928-29), to which is added £20,459 brought forward. The directors recommend a final dividend on the ordinary shares of 10 per cent., making 17½ per cent. for the year (against nil), and £614 has been written off goodwill, which, with the balance of £15,386 share premium account also applied, reduces the goodwill by £16,000 (to £209,000) for the year. The balance to be carried forward is £30,873, subject to the accrued dividend on the preference shares for two months (£2,422). Last year £50,000 was applied in reduction of goodwill, and the whole of the preliminary expenses were written off out of share premium account.

DRUG HOUSES OF AUSTRALIA, LTD.—According to a Reuter's message from Sydney, eleven important wholesale drug houses in Australia have formed a holding company, to be known as the Drug Houses of Australia, Ltd. The company will have a nominal capital of £5,000,000. No shares will be offered for public subscription at present, the whole capital to be issued to be subscribed privately. The amalgamating companies include Duerdin & Sainsbury, Ltd.; Grimwade & Associated Companies; Elliott Brothers; Taylor, Colledge Bickford & Sons; Taylor & Elliotts; and T. & E. Surgical, Ltd. Negotiations are also proceeding with the directors of The Australian Drugs, Ltd., for a further amalgamation.

DRUG INCORPORATED.—The latest acquisition of Drug Incorporated of America (which is associated with Boots Pure Drug Company) is the Vick Chemical Company, a holding concern controlling a well-known family business of the same name, whose headquarters are at Greensboro, in North Carolina. The operating undertaking was established in 1885 and its chief plant covers fifteen acres. It has subsidiary plants at Philadelphia, Mexico City and Montreal. Its products are mainly proprietary medicines, the most popular of which is Vick's Vaporub. The holding company was constituted in 1925, succeeding one formed two years earlier. The consideration payable by Drug Incorporated for the Vick Chemical shares is an allotment of 456,000 shares, which at the market value current is equivalent to a price of £7,569,600.

Bankruptcy Reports

Re Patrick Joseph Byrne, 99 Hunslet Hall Road, Leeds, chemist and druggist.—The following are creditors in this recent failure:—Bromley & Walker, £30; Cupal, Ltd., £21; Hirst, Brook & Hirst, Ltd., £982; Illingworth, Thomas, & Co., Ltd., £20; Kirby, H. & T., Ltd., £17; Prices Patent Candle Co., Ltd., £12; Rayner, Mrs. E. A., £600.

Gazette

Partnership Dissolved

REYNOLDS, A. B., and JOHNSTONE, J. A., 17 St. Mary's Street, Wallingford, chemists and druggists, under the style of Reynolds & Johnstone.

Bankruptcy Acts

RECEIVING ORDER AND ADJUDICATION

FURSE, MILICENT S., 97 Green Lane, Walsall, and lately at 117 Lea Road, Wolverhampton, "chemist."

Pharmacy In and Around Cardiff

In view of the forthcoming visit of the British Pharmaceutical Conference to Cardiff, a *C. & D.* representative has obtained particulars of the chemists of the city and of some of those in the surrounding area who are actively working to make the Conference a success

THE importance of Cardiff as a commercial, artistic and educational centre was pointed out in our Special Issue of June 28. Looking back to the latest census figures available, we notice that the increase in population for the ten years prior to 1921 was no less than 9.9 per cent.; and it would not be surprising if the census to be taken next year discloses a similar expansion. The pharmacies of the city are widely distributed and, as might be expected, vary considerably in the class of trade done. In the work of organising the local Conference arrangements the chemists of Cardiff have been assisted by colleagues in neighbouring towns; it has thus come about that our representative, with the help of members of the Local Executive, has made a selection that includes names from Newport, Barry and elsewhere.

MR. T. J. BADGETT,

Newport, is a native of Llangynidr, Breconshire, and received his education at the County School, Brecon. He served his apprenticeship in London, afterwards becoming a junior assistant in Cardiff. Returning to London, he entered the London College of Pharmacy, from which he passed the Qualifying examination in 1906. While studying at the College he obtained a bronze medal in chemistry and physics. He then had further experience as assistant at Croydon, Tunbridge Wells and Eastbourne, and in 1911 commenced business on his own account in Newport. Towards the end of 1912, a busy period for pharmacy, he became secretary of the Newport Chemists' Association and one of the first members of the local Pharmaceutical Committee. He is still a member of the latter body, and also represents Newport chemists on the Borough Insurance Committee. Mr. Badgett occupied the presidential chair of the Newport Chemists' Association in 1919, to which office he has again been elected this year.

BOOTS, LTD.,

have three branches in Cardiff. The oldest-established, catering (in Albany Road) for the needs of the residential district of Roath Park, is representative of a good-class suburban pharmacy; one in the Canton district (in Cowbridge Road) is a compact chemist's shop serving the needs of this populous quarter; and in the centre of the city the Queen Street branch occupies a commanding corner position. This pharmacy, equipped with a first-class dispensing department, is considered one of the finest in South Wales. Here three or four qualified pharmacists are always available, one of whom is a lady. There is also an extensive surgical sundries department, looked after by fully qualified nurses. A hearty welcome is extended to Conference visitors to see these establishments.

MR. F. E. S. CLARKE,

Newport, was born at Lowestoft. He qualified in 1907 and subsequently held positions in Ipswich, Windsor, London, Porchester, Bradford and Weston-super-Mare, and then commenced business for himself in a mining village in South Wales. After a year or so he moved to Newport. Mr. Clarke has given freely of his services for the benefit of the craft, and for some fifteen years was secretary of the Monmouthshire Pharmaceutical Association. He is a past-president of the Newport Association, a rotarian and a freemason.

MR. REGINALD DAVIES

is a native of Penarth, Glamorganshire, and served his apprenticeship with Mr. H. A. Gerhold of that town.

He gained further experience in several London pharmacies, including two years as assistant with Mr. W. A. Goodall, South Kensington. He qualified in 1909, and afterwards returned to Penarth to take over the pharmacy of Prosser & Co., dispensing and shipping chemists, 59 Glebe Street, which business he still carries on. Mr. Davies was (in 1923) the first chairman of the Cardiff and District Branch of the Pharmaceutical Society, and has always shown a keen interest in local pharmaceutical affairs. As a sportsman he has taken active part in football, cricket, hockey and cycling.

ROBERT DRANE, LTD.,

is the name of a business well known not only in Cardiff but also throughout the country. As we mentioned in our account of the city in our Special Issue, the late Mr. Robert Drane founded the business in Bute Street in 1858, and removed it ten years later to its present premises, which were built to his own specification. The present chairman and managing director, Mr. Alec Samuel Johnson, was educated at Abergavenny Grammar School, served his apprenticeship to Mr. W. R. Selleck, Ph.C., Stourbridge, and qualified in 1903. After further experience in London, Ilfracombe and Malvern, he went to the late Mr. Robert Drane in 1905 as senior assistant, and became his managing assistant in 1910. Mr. Drane, on his decease in 1914, bequeathed his business and premises to Mr. Johnson and his fellow assistants, Mr. A. J. Harris and Mr. E. Jones, who formed a private company, Mr. Johnson becoming chairman and managing director. Since that time Mr. Johnson has given of his leisure whole-heartedly to pharmaceutical matters and to public affairs. He has been president of the Cardiff Pharmacists' Association; during his year of office (1918-19) he furthered the establishment of the Welsh College of Pharmacy. Mr. Johnson is a member of the Technical Instruction Committee of Cardiff Education Committee, and has recently been re-elected chairman of the Retail Pharmacists' Union (Cardiff and District Branch). He has been secretary of the Cardiff Pharmaceutical Committee for over twelve years, and has been appointed the pharmacists' member of the Cardiff Insurance Committee (on various subcommittees of which he serves) for a third period. As honorary pharmaceutical adviser to the Cardiff Royal Infirmary (where he has been elected to the Board of Management) Mr. Johnson has done much valuable work. In 1925 he was responsible for obtaining for the Infirmary, through the generosity of Sir William Edgar Nicholls, the munificent gift of the Convalescent Home at St. Mellons. Mr. Johnson is vice-president of the Cardiff Institute for the Blind (to which institution his company has subscribed liberally for thirty years), a Commissioner of Income Tax for the City of Cardiff, a vice-president of the Cardiff Business Club, and a sidesman (and acting churchwarden) of St. John's Parish Church.

DUCK & SON,

St. John's Square and Whitchurch, is the style of a business established in 1886, the founder being Mr. R. W. Duck, who unfortunately died in the following year. He was succeeded by his son, Mr. W. G. Duck, the present proprietor. After serving an apprenticeship with Trehearne & Duck, Bute Docks (in which firm his father was a partner), Mr. Duck gained further experience at Worcester, Cheltenham and Bath. He qualified in 1887, and has devoted his time and energy to establishing one of the finest individual pharmacies in the provinces. He is assisted by his son and Mr. J. W.

SOME CARDIFF CHEMISTS
B.P.C. 1930



Archer, the latter having been general manager for many years. Mr. Duck has never sought the limelight of public service, but has always taken a keen interest in the affairs of the local Association. He is well known and esteemed by his fellow craftsmen in and around Cardiff, many of whom have been either his apprentices or his assistants. In his spare time he favours golf and fishing near his country house on the Teign in South Devon.

MR. CHARLES FARGHER,

Splott Bridge, came to Wales just over forty years ago to visit his brother—who was headmaster of Penarth Council schools for thirty-two years—and was so pleased with Cardiff that he decided to settle in business there. He has worked up a connection, which now extends over South Wales and the West of England. Mr. Fargher has been a member of the Cardiff Pharmacists' Association ever since its inception.

W. FURNIVALL & SON

is the style of a business at 113 City Road, and claiming to be the oldest hereditary pharmacy in the city. It was founded in 1872 by the late Mr. W. Furnivall, son of Dr. W. Furnivall, of Hutton, near Weston-super-Mare, and for some time in business at Weston before opening in Cardiff. The present proprietor, Mr. W. H. Furnivall, is a son of the founder, and was trained in the business. After qualifying in 1891 he was taken into partnership, and later he succeeded his father. The firm has had a long and honourable connection with local pharmaceutical affairs. Mr. W. H. Furnivall was one of the original members of the Cardiff Pharmacists' Association, and has held office as president. Some of the firm's proprietaries have a considerable reputation.

MR. A. S. GORDON

is a native of Portsoy, Banffshire. He served his apprenticeship with the late Mr. J. Clark of that town, and gained further experience with the late Mr. R. L. Hendry, Edinburgh. He qualified in Edinburgh in 1915, and shortly afterwards joined the Royal Engineers. After two years he was wounded and discharged from the Army as physically unfit for further service. Several positions as a qualified assistant were followed by managements in Cheltenham and Llandaff. Mr. Gordon's present business at 5 Salisbury Square was founded in 1881. It was purchased by him in 1920 from the late Mr. R. Prust, who had previously taken it over from Mr. T. M. Jenkins—still alive at the age of eighty-six. The business is middle-class, chiefly dispensing and family trade.

ALBERT HAGON, LTD.,

5 Bute Street, is one of the oldest-established pharmacies in Cardiff. Mr. Hagon originally commenced business at 52 Bridge Street over half a century ago. A branch was opened at Coburn Street, Cathays, and later the business of the late Mr. Thomas Williams at 11 Bute Street was purchased. About thirty years ago Mr. Hagon closed all three shops and moved to 5 Bute Street, where he concentrated his energies. He built up a good family trade, and his name is now a household word in Cardiff and South Wales. In 1918 the business was turned into a limited liability company, with Mr. James Murray, chemist and druggist, formerly manager, as managing director. Mr. Hagon was a member of the Council of the Pharmaceutical Society for eighteen years, and is well known to chemists all over the country. He has held all the honours his brother pharmacists in the city could confer upon him, and it was with deep regret that his resignation was accepted from the various committees. The business is of the professional type, proprietaries being a secondary consideration. An optical department has been carried on for the past twenty-five years and is at present managed by Miss Maisie Murray (a daughter of the managing director), who is also a qualified chemist. Mr. James Murray is secretary of the Local Executive

of the Conference. He has been secretary and president of the Cardiff Pharmacists' Association, and is at present a member of the local Pharmaceutical Committee. Mr. Murray's interests include golf, bowls and the Caledonian Society. As secretary of the Cardiff Pharmacists' Golf Club he has been responsible for many successful tournaments in aid of the Benevolent Fund.

MR. S. W. HAGUE

is the proprietor of a pharmacy in Carlisle Street established some thirty-five years ago. During the time of its first proprietor, Mr. David Hughes, it was a very popular and well-conducted family business; but after Mr. Hughes's time it suffered many vicissitudes. During the early part of the war period it was, in fact, used by the authorities as an enlisting station. Mr. Hague rescued it from this anomalous position and has carried it on successfully ever since, with the addition of two branches. Mr. Hague has always taken an interest in affairs affecting his locality, and was in control of the Glamorgan Red Cross V.A.D. 113, with a membership of over 200, during the war. He has been invited to stand for the City Council on three occasions, but has preferred to devote his energies to more purely social and charitable interests; he is, however on the local Council for Rumney. Mr. Hague is a past-president of the Cardiff Pharmacists' Association, and first secretary of the Society's Branch, and has served on all committees from time to time. He is local P.A.T.A. secretary and secretary of the local R.P.U. Executive; he also serves on a subcommittee of the Welsh College of Pharmacy.

MR. HENRY A. HOBBS, PH.C.,

has an old-established pharmacy which has recently been so enlarged and modernised as to compare favourably with any other shop of its kind in South Wales. Mr. Hobbs was educated at Hart House School, Tregony, Cornwall, and at the age of sixteen entered the pharmacy of the late Mr. Arthur Pumphrey, High Street, Burnham, Somerset. The four years under the direction of Mr. Pumphrey were really enjoyed, as every facility was given for the preparation of galenicals, and many specialities were prepared and packed on the premises. Mr. Hobbs passed the Minor examination in 1899 and the Major in 1900, both from the South London College of Pharmacy, at the head of which was the late Dr. Muter. Further experience was gained with Mr. F. Sarson, Paignton, and at the Lancaster Gate branch of Savory & Moore, Ltd. After leaving London Mr. Hobbs took up locum work in various places, including Falmouth and Eastbourne, and in his spare time studied optics, securing the F.S.M.C. qualification in 1904. In April of that year he took over the pharmacy of the late Mr. John Richards, Royal Buildings, Penarth, where he is now assisted by his son, Mr. Henry T. Hobbs, Ph.C., F.S.M.C.

MR. R. L. HOPKINS,

of High Street, Barry, was apprenticed to his late father and qualified from the London School of Pharmacy in 1915. Owing to the sudden death of his father he had to return at once to take over management of the business. The pharmacy was established in 1888, and now includes an up-to-date optical department. Mr. Hopkins is assistant secretary of the Cardiff Pharmacists' Association and Branch of the Pharmaceutical Society, and holds a similar position in the publicity and finance committees of the Conference.

MR. E. G. HOWELL

is a native of Fishguard, and was educated at Fishguard Grammar School, Swansea Grammar School and Cardiff University College. He served his apprenticeship with the late Mr. J. T. Davies, Swansea, and afterwards studied at the London College of Pharmacy, from which he qualified in 1908. Then followed experience in West End pharmacies, after which he commenced business in 1910 on his own account at 37 Whitchurch Road, Cardiff. Success

attended his venture, and shortly afterwards he was able to open branches in North Road and Queen Street. Mr. Howell is a keen golfer, a member of the respective committees of the Pembrokeshire Society and the Gabalfa Ratepayers' Association, and convener of the housing committee of the Conference.

MR. J. D. JENKINS

was born at Swansea, and served his apprenticeship with the late Mr. Moses Jones of that town. He qualified in 1888, afterwards gaining experience in London, Nottingham, Guernsey, Aberystwyth and Bradford, and then commenced business on his own account at Cardiff in 1898. From the outset of his association with the city he took an active interest in pharmaceutical politics, and was a foundation member of its Pharmacists' Association. During the war Mr. Jenkins was in charge of the dispensary at the Cardiff Barracks and secretary of the local Pharmaceutical Committee; the strenuous work of this period resulted in a serious breakdown of his health. Mr. Jenkins is greatly esteemed by his fellow pharmacists for his energy, and is most popular on account of his genial nature. He has worked persistently and persuasively on behalf of the Benevolent Fund. His main recreations are wood-working and walking. Mr. Jenkins was president of the Cardiff Pharmacists' Association, chairman of the local branch of the Retail Pharmacists' Union and chairman of the Pharmaceutical Committee during 1928. He is now chairman of the Local Executive of the British Pharmaceutical Conference.

MR. JABEZ A. JONES

is one of the oldest pharmacists in Cardiff. He commenced his career in Birmingham, and, after enlarging his experience, passed the Minor examination in June 1874, when he was less than twenty years old. Then followed a short period of *locum* work, culminating in October of that year with a post in the pharmacy of the late Mr. Robert Drane, Cardiff. In September 1878 Mr. Jones commenced business on his own account in the Roath district, where he now resides. For the past fifty years he has taken an active part in public affairs, having served on the City Council for over six years, during two of which he held the position of chairman of the public works committee, in addition to serving at various times on other committees. He interested himself in the Cardiff Infirmary, and was chairman of the finance committee of that institution for two years. He was one of the founders of the Cardiff and District Pharmacists' Association, and three years later occupied the chair. Mr. Jones assisted in the formation of the Cardiff Chamber of Trade in 1911, and has held office as its president. For some years Mr. Jones was assisted by his son, Mr. A. Thorne Jones, and at the present time his grandson represents the third generation in the business.

MR. J. LEE JONES

carries on an old-established, good-class family dispensing business at 96 Albany Road, Cardiff, close to Roath Park. The business was founded in 1895 by Mr. Jabez Jones, managed from 1897 to 1901 by Mr. J. Lee Jones, and acquired by him in 1902. Mr. Jones was president of the Cardiff Pharmacists' Association in 1910, and has served on most of its committees. He has been a member of the local Pharmaceutical Committee since its inception except for a period due to ill health. He is a member of the finance and housing committees of the Conference, and takes a lively interest in all the work necessary to ensure the success of this year's meeting. Mr. Jones has a qualified daughter.

MR. HENRY M. LLOYD,

Merthyr Tydfil, is the son of the late Mr. Henry Lloyd, veterinary surgeon, Dowlais, was educated at Merthyr College, and was apprenticed to the late Alderman R. P. Rees, J.P., Dowlais. He passed the Qualifying examination in 1894, after experience in London, Cardiff, on the Continent and in the United States.

Soon after he qualified he opened his present business, and since then has been connected with all local pharmaceutical and public movements. Mr. Lloyd is a Fellow of the British Optical Association; he has also held office as president of the Merthyr Tydfil Chamber of Commerce, P.M. and D.C. of the North Glamorgan Masonic Lodge, member of the Consultative Council of the Welsh Board of Health, and a governor of the University College of South Wales and Monmouthshire. In 1928 Mr. Lloyd was elected president of the Welsh Association of Insurance Committees. He is on the reception committee of the Conference.

MR. E. G. T. LOYLEY

is chairman of the publicity committee and a member of the entertainments committee for the Cardiff Conference meeting. Mr. Loyley was born in London in 1878, and his first association with pharmacy was a journalistic one. For several years he was an editorial assistant on the staff of "The British and Colonial Pharmacist," later becoming assistant editor of "The Builders' Journal and Architectural Record." The proprietors of this paper launched a medical review, and he was appointed sub-editor. Later he accepted a position as manager of a newly introduced proprietary which, under his energetic management, became very popular. Mr. Loyley was appointed sales manager to Francis Newbery & Sons, Ltd., London, E.C., in 1915, and for the last two years of the war served in the Royal Army Medical Corps. On his return to business life he was invited to organise Messrs. Newbery's branch house at Cardiff, of which he became manager; and about two years ago he joined the company's board of directors. Mr. Loyley is held in the greatest esteem throughout South Wales, and the younger pharmacists owe much to his kindly interest in their welfare. Mrs. Loyley is a member of the ladies' committee, and has been of great assistance in the work of the Conference on the social side. Mr. and Mrs. Loyley are interested in motoring and in all sporting affairs connected with pharmacy.

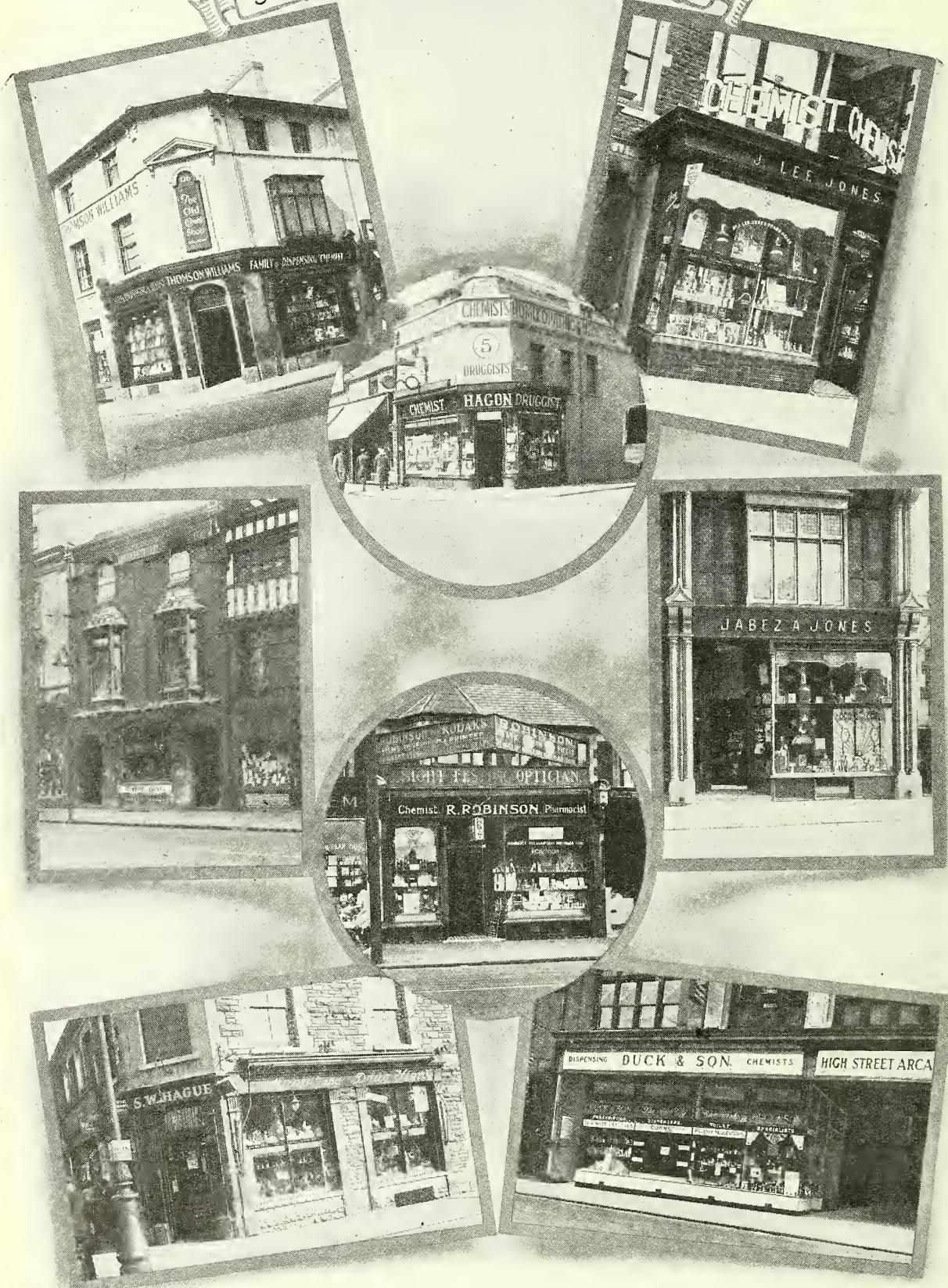
MR. JOSEPH REYNOLDS,

Mountain Ash, is a native of Aberdare, and served his apprenticeship in that town. Further experience was gained at Tonypandy and St. Leonards before qualification in 1891. The six years that followed were spent in West-End pharmacies, after which experience Mr. Reynolds returned to Wales to manage the Queen Street branch of Hicks & Co., Cardiff. In 1898 he opened a pharmacy at Barry Dock, where he identified himself with many of the social movements of the town. It was during this period that the Cardiff Pharmacists' Association was formed, and Mr. Reynolds was elected a member of the first executive, becoming president in 1908. On leaving the district in 1914 for Mountain Ash, he received a presentation from the Association, as well as a public testimonial from the townspeople of Barry. Mr. Reynolds holds many offices, including that of chairman of the Aberdare and Merthyr Pharmaceutical Association, local secretary of the Retail Pharmacists' Union and Proprietary Articles Trade Association, member of the Glamorgan Pharmaceutical Committee, and member of the Local Executive and the reception committee of the Conference.

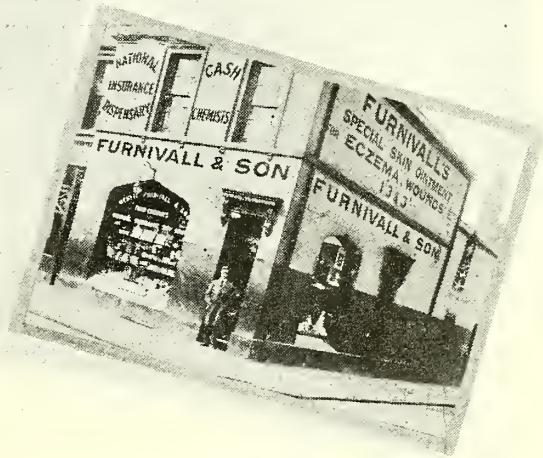
MR. R. ROBINSON

was born at Blaenavon, Mon., educated at West Monmouth Grammar School, and served his apprenticeship to the late Mr. John Young, High Street, Newport. He then went as assistant with Bottle & Co., Dover; Mr. V. Mills, Merthyr; and Bouilly & Co., Bayswater, London, W. Mr. Robinson qualified from the City of London School and Westminster College in 1908, afterwards gaining further experience with Druce & Co., Oxford; Mellin & Co., London, W.; Pharmacie Jouard, Monte Carlo; Pharmacie Beonard, Cap Martin; and Frizell & Co., London, W.C. In 1912 he opened a pharmacy in Cardiff. On August 4, 1914, Mr. Robinson joined the Army, in which he remained till February

SOME CARDIFF PHARMACIES



BRITISH PHARMACEUTICAL CONFERENCE 1930



1919, when he was invalided out with the rank of staff sergeant. A branch of his business was opened in 1925. Mr. Robinson has had considerable experience of public affairs. He has been vice-president of the Cardiff Pharmacists' Association, deputy chairman of the Publicity Club of Cardiff, a member of the committee of the Retail Pharmacists' Union's local branch, an honorary organiser in connection with the Cardiff shopping week, and a delegate to the World's Advertising Convention. He is a member of the Bute Lodge of Freemasons and a founder of the Carmel Lodge.

MR. J. MILES THOMAS

opened his present business at 74 St. Mary Street in 1926, a year of stress well remembered by chemists. The business is of a general nature, perfumery, toilet preparations and photography being strongly featured. The handsome shop front is of bronze with a black Belgian marble dado; the fascia is of white vitrolite with lettering in bronze. The island window in the centre reveals at a glance the up-to-date character of the front; and the interior fittings are of mahogany.

British Pharmaceutical Conference

ARRANGEMENTS for the Cardiff meeting of the British Pharmaceutical Conference are now practically complete, and there is every prospect of a most successful gathering. Backed by the municipal and higher educational authorities, the chemists of Cardiff have been able to arrange their programme on a scale that might well have appeared impracticable in view of the prevailing conditions of industrial depression. But adequate financial supplies are in hand, and applications for tickets are already approaching 400, so that there is not only the promise of a large and representative attendance, but visitors will be provided for in a wholeheartedly hospitable manner.

* * * * *

It is gratifying to be able to record that Cardiff is being supported most cordially by other important Welsh centres, including Newport and Swansea in particular. The Local Executive Committee and its subcommittees have been steadily at work for some considerable time past, and there seems to be little, if anything, which can remain to be done. Nevertheless, enthusiasm increases as the date of meeting approaches, and finishing touches are continually being applied to the prospective arrangements. On Tuesday of this week the chairman of the Conference, Mr. J. T. Humphrey, met several of the chief organisers at lunch, and advantage was taken of the opportunity to effect slight rearrangements such as tend to smoother working. Nothing now remains but to hope for fine weather and to remind intending visitors to Cardiff that immediate application for tickets and accommodation is desirable.

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The following is a list of the science papers to be presented at the meeting of the British Pharmaceutical Conference at Cardiff on July 22 and 23:

TUESDAY, JULY 22

- (1) "Injection of Iron and Arsenic," by Charles M. Caines.
- (2) "The Variation of Specific Gravity and Refractive Index with Concentration of Camphor and Alcohol in *Spiritus Camphorae*, B.P.," by F. H. Milner.
- (3) "The Assay of Stramonium Leaves and Tincture of Stramonium," by Charles M. Caines.
- (4) "The Diastatic Power of Malt and Malt Extract," by C. T. Bennett and F. C. L. Bateman.
- (5) "Studies in Emulsions"—(I) "The Examination and Analysis of Pharmaceutical Emulsions," by E. Lester Smith and G. N. Grinling; (6) (II) "Some Observations on the Manufacture of Pharmaceutical Emulsions," by E. Lester Smith and Violet Hazley; (7) (III) "A Factor Inhibiting the Emulsification of Cod-liver Oil," by E. Lester Smith.

WEDNESDAY, JULY 23

- (8) "Crude Fibre: An Investigation of the 'Dutch' Process," by Samuel Goldberg.
- (9) "Diatomite: Its Analysis and Use in Pharmacy," by N. Ingram Hendey.
- (10) "A Simple Form of Continuous Extraction Apparatus," by P. A. W. Self and C. E. Corfield.
- (11) "The Determination of Total Alkaloids in Cinchona Bark," by P. A. W. Self and C. E. Corfield.
- (12) "The Variation in Colour Test Value of Commercial Samples of Cod-liver Oil," by F. J. Dyer and Frank Wokes.
- (13) "The Capsicum Tincture of the B.P.," by W. J. Beardsley and F. J. Bolton.
- (14) "Note on Extract of Colocynth," by E. M. Smelt.

- (15) "Glass Electrode Studies. I: Some Oxyacids of Phosphorus," by C. Morton.
- (16) "The Assay of Digitalis by the Cat Method," by A. D. MacDonald and Walter Schlapp.
- (17) "Notes on the Chemical Assay of Mercurochrome," by G. W. Marrs.
- (18) "The Systematic Qualitative Analysis of Vegetable Extractives," by Allan H. Ware.
- (19) "The Rapid Iodimetric Determination of Iron in Scale and other Pharmaceutical Salts," by G. J. W. Ferrey.
- (20) "The Gravimetric Electro-Deposition of Metals and its Application to Pharmaceutical Chemicals," by S. Gordon Liversedge.
- (21) "Iron and Ammonium Citrate, B.P.," by A. J. Jones and Norman Glass.
- (22) "Achromatic Indicators," by E. Lester Smith.

* * * * *

All qualified women attending the Conference in Cardiff are invited by the National Association of Women Pharmacists to attend a meeting arranged (by courtesy of the Conference Executive Committee) to discuss questions of interest to women in pharmacy. The time and place of meeting will be posted on the notice board at Conference Headquarters. Intending speakers should notify the secretary of the National Association of Women Pharmacists, Miss Hodgkinson, 115 Priory Road, London, N.8, of any subject they wish brought forward.

* * * * *

We are informed that a revised syllabus for pharmacy for the Chemist and Druggist and Pharmaceutical Chemist examinations will be presented for discussion by Messrs. H. Berry and D. McCall at the education meeting on July 22.

* * * * *

The Conference Committees

The following are the members of the Conference committee shown on page 43:

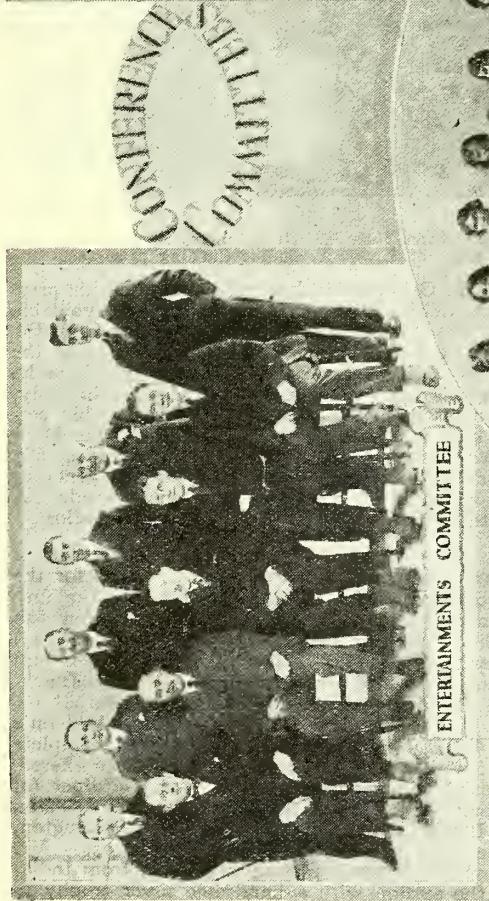
LADIES' COMMITTEE (CENTRE).—*Back Row:* Mesdames Mason, Hill, Foxhall, Hopkins, Reynolds, Tyler and Day. *Middle Row:* Mesdames Williams, Brims, Gordon, Hobbs, Loyley, Poole and Edwards. *Front Row:* Mesdames Giles, Howell, Hague (vice-chairman), Jenkins (chairman), Murray (secretary), Badgett, Lee Jones and Mogg. *Other Members:* Mesdames Eason, M. Jones, Thomas, Foxhall, Hatten, James, Shelton, M. Murray, Hagon, Jones, Melville, MacArthur, Furnivall, Jenkins, Nyblad, Gilbert, Rees and Kent.

ENTERTAINMENTS COMMITTEE (ABOVE, LEFT).—*Back Row:* Messrs. Rees, Badgett, Gordon, Hobbs, Husbands and Loyley. *Front Row:* Messrs. Day, Hobbs, Ward (chairman), Davies (assistant secretary) and Wigley.

FINANCE COMMITTEE (ABOVE, RIGHT).—*Back Row:* Messrs. Brims, Owen Jenkins, Mogg and Harries. *Front Row:* Messrs. Eason (treasurer), Jabez Jones, Duck (chairman), Hagon and Hopkins (assistant secretary).

HOUSING COMMITTEE (BELOW, LEFT).—*Back Row:* Messrs. Lee Jones, Pym, Giles and Williams. *Front Row:* Messrs. Davies (assistant secretary), Howell (chairman) and R. Davies. Other member: R. Robinson.

PUBLICITY COMMITTEE (BELOW, RIGHT).—*Back Row:* Messrs. Edwards, Poole, Clarke and Lewis. *Front Row:* Messrs. Robinson, Hopkins (assistant secretary), Loyley (chairman) and Reynolds. Other member: J. Mason.



*Photos by
E. & G. Thompson, Cardiff*

CARDIFF
1930

Australia's Amended Tariff

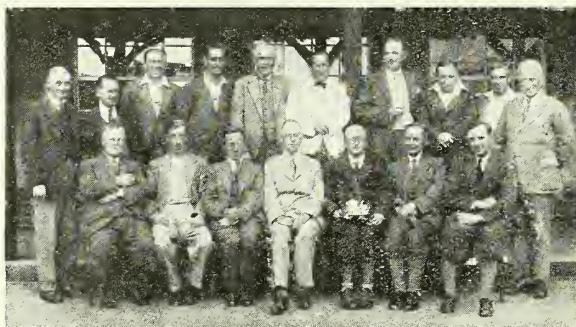
THE High Commissioner for Australia (Sir Granville Ryrie) has received cable advice from the Commonwealth Government that a schedule of proposed amendments to the Australian Tariff was introduced into the House of Representatives, Canberra, by the Acting Minister for Trade and Customs on June 19. The following proposals of interest to the drug trade have been made:—

Goods	British Preferential Tariff	General Tariff
Spirituos preparations, viz.: Essences, fruit ethers, aromas and flavours, lime juice and other fruit juices and fruit syrups, and spirituous preparations, n.e.i.	30%	45%
Additional to each of previous rates <i>ad val.</i> (NOTE.—The above increase does not apply to fluid extracts, sarsaparilla, tinctures, or infusions.)		
Ethyl chloride, spirituous or non-spirituous <i>ad val.</i>	35%	45%
Ethereal fruit essences and artificial fruit essences, ethers, aromas and flavours, non-spirituos, n.e.i. per lb.	3/6	5/-
Or <i>ad val.</i> whichever rate returns the higher duty	30%	45%
Oilmen's stores, n.e.i. <i>ad val.</i>	45%	60%
Bottles, flasks, and jars over 8 drams fluid capacity, of cut glass empty or containing goods not subject to <i>ad valorem</i> duty <i>ad val.</i>	35%	60%
Previous item 250 (B) ("Glassware n.e.i.") becomes 250 (C)		
Crown corks and bottle stoppers, not including glass bottle marbles and goods classifiable under Item 395 <i>ad val.</i>	45%	60%
Hot water bag stopper <i>ad val.</i>	45%	60%
Cresylic acid per gal.	1/-	1/3
Or <i>ad val.</i> whichever higher	25%	35%
Carbide of calcium per lb.	2d.	2d.
Tartaric acid, cream of tartar and cream of tartar substitutes and phosphate of soda per lb.	5d.	8d.
Bismuth metal and salts per lb.	8/-	10/-
Bates salve <i>ad val.</i>	50%	60%
Rates una ltered		

Sporting Events

THE Scottish Chemists' Bowling Association held the opening match of the pairs competition for the Gibbs trophy on Albert Place Bowling Green, Stirling, on June 25. It was a perfect day. Messrs. J. Logan and J. T. Simpson won the trophy, beating their opponents, Messrs. J. S. B. Heddle and George Jarvie, by one shot. The company met in the Golden Lion Hotel for tea; after the usual vote of thanks, the chairman (Mr. W. Seivwright) called upon Mr. R. Baird (representative of D. & W. Gibbs, Ltd.) to present the trophy to the winners.

OVER a score of members of the Manchester and District Pharmacists' Golfing Society journeyed to Buxton on July 2 to compete for the annual prize provided by Mr. W. Griffiths Hughes. The weather conditions were ideal, and the Cavendish golf course was at its best. Mr. J. A. Collins (handicap, one) returned with the best score (2 down), thereby winning the prize. The second prize (given by the Golfing Society) could not be awarded, as Mr. Sturdy and Mr. Gardiner tied with 5 down. Competitors and friends were entertained to



[Cleworth

Front row (in centre): Mr. W. Griffiths Hughes (in light suit) on right of Mr. J. A. Collins (holding prize).

tea by Mr. W. Griffiths Hughes, who presented his prize to Mr. J. A. Collins. Mr. T. Miller, in the unavoidable absence of the president (Mr. A. J. Pidd) and the captain (Mr. Fox), spoke in appreciative terms of the generosity of their host, and the esteem in which he was held by his fellow members. Mr. Hughes, in reply, said he heartily congratulated Mr. Collins on his performance, and was pleased to be among all his Manchester friends once more. Mr. Collins thanked Mr. Hughes for the handsome prize, and for the generous manner in which the Society had been entertained. A cordial vote of thanks was passed with acclamation.

A PARTY of twelve members of the angling section of the Glasgow Pharmacy Club visited Loch Leven for the annual two days' outing on June 23-24. On the first evening, in dull and cold weather, there were few fish rising. The results were:—Messrs. Askham (3) 2 lb. 3 oz.; Moffat (3) 2 lb. 1 oz.; Goldberg (2) 1 lb. 1 oz.; and Gardiner (2) 1 1/2 oz. Messrs. Black, Bruce and Baird landed one each varying from 8 1/2 oz. to 11 oz. The heaviest fish was in Mr. Askham's basket (1 lb.). Tuesday was described as a complete wash-out; few fish were enticed to taste the fare offered. The successful rods were those of Messrs. Gardiner (2) 1 lb. 9 1/2 oz.; Moffat (2) 1 lb. 2 oz.; Messrs. Askham, McVitae, Black, Bruce, Baird and Dr. Symington, landed one each varying from 8 oz. to 13 oz. Mr. Gardiner, who is at present home on holiday from India, presented the section with a handsome silver trophy in the form of a "nahseer" (Indian salmon), which is to be for competition during the annual outing of two days to Loch Leven. Mr. D. G. McKenzie (president) accepted the trophy on behalf of the club. Mr. W. J. Moffat, having the best aggregate, is this year's winner with five fish weighing 3 lb. 3 oz., and Mr. Askham is runner-up with four fish weighing 2 lb. 13 oz. Mr. Gardiner made the presentation to Mr. Moffat.

Retail Pharmacists' Union

Branch Meetings

Somerset.—The annual meeting of the Somerset Branch was held on June 5. The retiring chairman (Mr. A. W. Williams), in the name of the Branch, tendered congratulations to Mr. W. Deacon on the result of the Council election. The election of officers for the coming year resulted as follows:—Chairman, Mr. H. T. Chettle (Clevedon); Vice-Chairman, Mr. H. W. Vanes; Treasurer, Mr. Hutchin; Secretary, Mr. F. Orchard. The financial statement showed a balance of £2 13s. 8d. in hand on January 1. The proposal to have a golf competition was rejected owing to the scattered area in which the Branch operates. Members of the local Branch of the Pharmaceutical Society had been invited to join in a discussion on the *Departmental Committee's Report and Draft Bill*. This was opened by Mr. W. Deacon, who advised everyone to purchase a copy of the report and study it. While it was not all that could be desired, there was good in it, and he urged that there should be constructive criticism. Several useful suggestions were forthcoming. Mr. E. Widgery was to have opened a discussion on *The Medicine Stamp Acts*, but time only allowed of a brief outline of the subject. The chairman thanked Messrs. Deacon and Widgery.

BRITISH MEDICAL ASSOCIATION.—A resolution has been passed by the Council of the British Medical Association to the effect that a certificate be drawn up in regular form for presentation, together with a badge, to members of the Association whose services are deserving of special record, and that the names of such members be entered in a book.

Summer Outings

Bradley & Bliss Ltd.

THE annual outing of the employees of Bradley & Bliss, Ltd., manufacturing chemists, Reading, was held on June 25, and took the form of a visit to the Zoological Gardens, London, where high tea was served. The party returned to Reading by train at midnight.

West Kent Association's Outing

THE West Kent Pharmacists' Association were once more favoured with brilliant sunshine on their summer outing on June 18. Members and friends proceeded 1.y motor coach to Maidstone Bridge, where they were joined by Mr. and Mrs. French, of Sittingbourne. The party boarded a launch and for the next hour and a half enjoyed a river trip to Yalding, where a fruit tea was provided.

Mansfield Chemists' Motor Tour

THE annual outing of the Mansfield and District Branch of the Pharmaceutical Society took place on July 2. The party, numbering thirty, travelled by motor through some of the most interesting parts of Derbyshire. The first stop was made at Monsal Head, where an excellent tea was provided, and afterwards a ramble down into Monsal Dale was enjoyed. The party returned to Mansfield via Tideswell, where another stop was made to allow of an inspection of the church known as "the Cathedral of the Peak."

Inverness Chemists Visit Fort Augustus

THE Inverness and Northern Scottish Branch of the Pharmaceutical Society held their summer outing recently, journeying to Fort Augustus by one side of Loch Ness and returning by the other. About forty members, their assistants and apprentices made up a very enjoyable party. High tea was served in the Lovat Arms Hotel, Fort Augustus, and most of the company took advantage of the visit to see through the Abbey. After some snapshots and a "movie" had been taken, a start was made for home about 8 p.m. Everyone expressed thorough enjoyment of the afternoon.

Thomas Hodgkinson, Prestons & King

THE twenty-sixth annual outing of the staff of Thomas Hodgkinson, Prestons & King took place on June 28 in the form of a day at Margate. Dinner was served at the Grand Hotel, Mr. J. B. Sturrock in the chair. After the loyal toast, "Success and Prosperity to the Firm" was proposed by the chairman and replied to by Colonel A. C. Preston (senior partner), "Our Representatives" was given by Mr. H. Marshall (vice-chairman) and replied to by Messrs. Godbold and Saunders. The chairman then toasted "The Committee," and spoke of the amount of work entailed in organising such an outing. Messrs. Newson and Scrase replied. A pleasant return journey concluded a very happy day.

A Successful Outing

THE annual summer outing of the staff of Meggeson & Co., Ltd., took place on June 14, under the chairmanship of Mr. H. Vincent Dodd (managing director). The party travelled by motor-coach from the works in New Church Street, London, S.E., to Margate, via Maidstone and Canterbury, a brief halt being made at Harrietsham en route. Luncheon was served at the St. George's Hotel, where the toast of "The Firm" was proposed by Mr. H. A. Green (works manager), and responded to by Mr. H. Vincent Dodd. "Our Guests" was submitted by Messrs. Randolph Dodd and R. Campbell Feather (directors), and responded to by Mr. W. G. Kay (secretary). The main direct road to London was followed on the return journey, the party arriving after an extremely successful day.

Stockport Picnic

THE Stockport and District Branch of the Pharmaceutical Society held their annual motor charabanc picnic on June 13. The party proceeded via Whaley Bridge and Buxton to the New Inns Hotel, Dovedale, where lunch was served. After lunch a route was taken through the beautiful Via Gellia to Matlock, where a halt was made of an hour. During this time boating and other recreations were indulged in. The party then proceeded through Chatsworth Park to the George Hotel, Hathersage, where tea was served. After tea the return journey was made via Miller's Dale, Buxton and Disley, with a halt at Tideswell.

An Interesting Visit

SEVERAL members of the East Metropolitan Branch of the Pharmaceutical Society visited Brentwood on July 3 at the invitation of the president (Mr. H. F. Hodgson), who, in conjunction with Mr. Broad and Mr. Hampton, of Brentwood, had made splendid arrangements for their entertainment. They first visited Great Warley Church, where the rector (Rev. F. L. Williamson) lectured on the beauties of that building. The gardens of the late Evelyn Heseltine were next viewed, special permission having been granted, and later South Weald Church. Those of the party who climbed the steps leading to the tower were rewarded with a magnificent view of Essex and adjoining counties. A walk through Weald Park and drive to the Lion and Lamb Hotel found all ready for the excellent high tea which was served. The visitors were welcomed to the historical town of Brentwood by Councillor A. G. Collis (Essex County Council). Mr. W. Potter, Mr. F. Maxey and Mr. J. Reed expressed thanks to the president and those who had assisted him for arranging that interesting visit and entertainment. Mr. Hodgson, acknowledging the thanks, said they had by no means exhausted the delights of Brentwood. After tea the party was conducted round Brentwood Grammar School.

New Books

Petiteau, S.—*Manuel de Droguerie-Herboristerie*. 6½ in. by 4½ in. Pp. 437, with 146 illustrations. 25 fr. J. B. Baillière et Fils, 19 Rue Hautefeuille, Paris. [This compact volume comprises (1) a compendium of legislation affecting herbalists and druggists in France; (2) *materia medica*; (3) a tabulated list of drugs and chemicals followed by a selection of formulas.]

Cooper, J. W., and Appleyard, F. N.—*A Course in Practical Pharmacy*. 7½ in. by 4½ in. Pp. 148. 7s. 6d. Pitman & Sons, Ltd., Parker Street, London, W.C.2. [The course of instruction devised in this book is "based upon similarity of process of preparation." It comprises ten chapters and four appendices: two of the appendices are devoted to French pharmaceutical monographs and two to German examples. The authors emphasise the desirability of analytical or other checking of finished products by the student.]

Botanical Society and Exchange Club of the British Isles: Annual Report, 1928. 10s. [The report for 1928 (with balance sheet for 1927) of the Botanical Society and Exchange Club of the British Isles, prepared by the secretary, Dr. G. Claridge Druce, F.R.S., has been recently issued and forms Vol. VIII, Part V, of the series. The principal article on "British Brambles," pp. 851-866, by Miss C. G. Trower, is accompanied by thirty-four plates of *Rubus*. Other articles include: "Notes on some Hampshire Orchids," "Notes on the Vegetation of Zetland," "Notes on *Potamogeton Natans*, L.," "British Batrachia," "The Flora of Foula (Shetland)," "Notes on *Mentha*," with new county and other records, and plant notes for 1928. The supplement to the report (pp. xxxviii + 112, with one plate) deals with "The Flora of West Ross," by Dr. Druce, with introductory sketches of the topography and climate and also biographical notices of those who have contributed to the flora since 1778.]

The Bankers' Manifesto

I—By N. G. Blenkinsop, Director of May & Baker, Ltd.

THE bankers' manifesto comes as a relief from the pusillanimous political wranglings of past years. Hitherto, the tariff proposals of the Conservatives have been tempered by the fear of giving the public too large a pill to swallow. The Liberal and Labour parties have used the bogey of dear food and a rise in the cost of living as an electioneering manoeuvre. We now have a consideration of the whole question in the interests of the nation by a non-political body of men, who are undoubtedly better informed regarding the tendency of the country's trade, and the financial position, than any of the political parties.

Although it is not stated in the manifesto, it will be assumed that the free import, even of Empire goods, will be reciprocal. A position in which one of the Dominions (as has recently been the case with Australia) can impose a prohibitive duty on, for instance, bismuth salts,* and at the same time import all her products free into this country, would be intolerable. It should also be a *sine qua non* of protection that much of the additional revenue earned by manufacturers from the larger share of the home trade which they will secure should be expended on the modernisation of plant with the object of cheapening costs of production, both for the home market and the export trade. We only regret that the bankers' manifesto did not come earlier, although, if it had, it is doubtful whether it would have made the same impression as it has done to-day.

II—By "Observer"

The manifesto issued by a certain number of bankers in their individual capacities (not as representing their banks), particularly as it follows on the heels of the Trade Union Congress report, is of considerable importance.

An important letter of Sir Josiah Stamp appeared in "The Times" on July 7, in which he points out an ambiguity in the manifesto. Without doubt there is great need for Imperial consolidation, but so far the Colonies and India are not showing that enthusiasm one would have hoped; in fact, the Indian boycott of British textiles and drugs, being very effective, is not at all propitious to any form of Imperial reciprocity. The bankers' resolution states that the best hope of extending British exports is in trade agreements to be made between the British Empire countries, and that as part of those agreements Great Britain must be prepared to impose duties on all imports from all other countries.

So far as the chemical and drug trade is concerned, a great deal more than is being done ought to be done in the way of utilising the products of the Empire, and of cultivating drugs not hitherto cultivated in the Empire. We can obtain from the Empire pretty nearly all we require, with the exception of potassium. It amounts to this: that what has been done in industry should be done in the Empire. Call it what you will—rationalisation or utilisation of the resources, or even common sense. Many things must be taken into account, such as the availability of raw materials, cheap water and electric power, the nearness of markets, the value of products in relation to the cost of transport and the supply of trained technical experts with the necessary ability. Many of the heavy chemicals and fertilisers have the raw materials for their manufacture at hand, and present no great difficulty as regards production in many parts of the Empire. However, when it comes to the manufacture of fine chemicals by complicated processes, dyestuffs and similar things, neither the necessary plant nor the trained chemists are available in the various parts of the Empire. It is obvious, therefore, that if Great Britain deals with these highly skilled chemical and technical processes, the Empire

* A duty of 8s. per lb. has recently been imposed on all bismuth salts of British manufacture imported into Australia, and a duty of 10s. per lb. is applied to bismuth salts of foreign manufacture.

providing the raw materials and the heavy chemicals, mutual co-operation and support would result in a much brighter future prospect for industry, both at home and in the Colonies.

With regard to quinine, at present almost all the raw material comes from Java: why should not India provide cinchona bark? It could do so after a time in sufficient quantities to meet all British requirements. India could then commence a new industry, not only of providing the cinchona bark, but of the extraction of the active ingredients in crude form, thus lessening the weight of raw material to be transported. The quinine salts could be made and refined in this country, where the chemists and the apparatus are ready for the purpose. A similar type of case has actually occurred with regard to sandalwood oil, and India has been exporting a compact and valuable oil instead of heavy and cumbersome tree trunks. There are many other similar possibilities only awaiting development. The great difficulty is not with this country, but with the various Colonies and with India.

However, there must be greater co-operation between industrialists in this country and in the various Colonies and Dominions. It will need time and effort, but a great deal can be accomplished. The resources of the Empire are illimitable, and should be developed to provide raw materials required for home industry. At the same time, home industry should manufacture and supply those products which cannot be as well or as cheaply made in other parts of the Empire. Co-operation is essential, so that effort be not wasted, and so that all the available resources shall be utilised to reap the greatest possible harvest. Communication and transport have brought the scattered outposts of the Empire nearer together than ever before, and with proper development there is every reason to think that great improvements can be made and the unemployment problem greatly curtailed.

This is not merely a political question: it is an economic one, and should be looked at from that viewpoint. We have to realise that we are faced with competitors as never before. England has difficulty in keeping her foremost place in many industries, particularly in the chemical trade. In addition to that, hours of labour and wages in some of the Continental countries do not compare at all favourably for us with those existing in our own land, which adds to the difficulty of the situation. These things have to be considered in the light of present-day circumstances.

There is great scope for development in the cultivation of medicinal trees and plants in order that the Empire can supply us with essential oils, drugs and active principles for the preparation of alkaloids, leaving it for the skilled workers of this country to purify and prepare for the market the goods thus produced within the Empire.

Wills

MR. W. M. MANSON, chemist and druggist, Edinburgh, left personal estate valued at £4,666.

MR. HERBERT MASON, of 49 Grange Road, Southport, Lancs, retired pharmacist, who died on March 4 last, left estate of the gross value of £11,887 14s. id., with net personality £10,518 12s. 2d.

MR. EDWARD ERNEST JACKSON, of Hillbrow, Crediton, Devon, managing director of Ernest Jackson & Co., Ltd., manufacturing chemists, left estate of the gross value of £7,003 10s. 8d., of which £4,601 9s. 9d. is net personality.

MR. THOMAS LLEWELLYN, of Trewen, Park Street, Bridgend, chemist and druggist, who died on November 20 last, aged seventy-two, left estate of the gross value of £9,690 13s. 4d., with net personality £9,599 18s. 7d.

MR. JOHN BORRETT FANCOURT, of 8 Fairfield Avenue, Staines, chemist and druggist, who died on March 25 last, aged 54 years, intestate and a bachelor, left estate of the gross value of £4,378 19s. 9d., with net personality £4,297 18s. 11d.

Trade Notes

CLAY & ABRAHAM, LTD., 87 Bold Street, Liverpool, set forth in their advertisement in this issue the merits of Ephedrol, an application for nasal catarrh and similar troubles.

DR. CASSELL'S TABLETS.—Chemists are reminded that the latest date for special bonus terms on Dr. Cassell's Tablets is July 16. Particulars of the offer appear elsewhere in this issue.

THORNTON & ROSS, LTD., Milnsbridge, Huddersfield, are supplying perfumed bath ammonia neatly packed in cartons to retail at a popular price. A showcard is included with each order.

A NEW INSECTICIDE.—O-Cedar, Ltd., Slough, have introduced a new insecticidal spray and spray pump. Chemists are invited to write for special window display terms for July and August.

BATH CRYSTALS.—A. Bourjois et Cie, Ltd., 4 Water Lane, London, E.C.4, advertise in this issue a new line of bath crystals which, we are informed, will not deliquesce under display or other conditions. Three popular odours are available.

FIRMS conducting or contemplating national advertising will find matter for thought in an announcement, on another page, of a book entitled "Sell to Britain through the 'Daily Mail.'" The address of the publisher is Northcliffe House, London, E.C.4.

HAWLEY'S I.K.—Evans Sons Lescher & Webb, Ltd., Liverpool and London, request us to state that the last line of their advertisement of Hawley's I.K. in our issue of July 5, should read ". . . a profit of over 70 per cent. on cutlay," and not as printed.

SELO ROLL FILM.—Selos, Ltd., Warley, Essex, have issued a circular letter deprecating the action of some dealers in supplying Selos films for resale to other traders without permission, with the result that in some cases bona-fide dealers are meeting outside competition.

ICED EAU DE COLOGNE.—Ayrton, Saunders & Co., Ltd., 34 Hanover Street, Liverpool, have brought out an "Iced eau de Cologne" at a popular price. The product is contained in a simple bottle moulded in elegant lines, and, as its name implies, leaves a cool sensation after being dabbed on the skin.

DYES.—The fashion and the summer weather alike are strong supporters of Luton straw hat dyes, and Auroral cold water dyes, both, as is well known, the products of Whitaker & Co. (Kendal), Ltd., Kendal. Chemists may safely give prominence to these lines, which have established themselves in popular favour.

WARDONIA OFFER.—Thomas Ward & Sons, Ltd., Sheffield and Warrington, are offering a genuine 9d. Midgley's shaving stick with each 1s. 3d. packet of five Wardonia New Edge blades purchased. The offer is being nationally advertised. Full trade terms and details will be found in the advertisement pages of this issue.

PURE DEXTROSE.—We have received from Corn Products Co., Ltd., Bush House, Aldwych, London, W.C.2, a sample of Dexotosol brand pure dextrose, together with copies of letters and an explanatory booklet which are being addressed to doctors and chemists. The product, we are informed, shows on analysis a purity of 99.65 per cent., and is indicated in numerous conditions.

EPHEDRINE.—The British Drug Houses, Ltd., Graham Street, City Road, London, N.1, have issued a pamphlet conveniently summarising the medical uses of ephedrine. Our attention has been directed to an aqueous solution of ephedrine hydrochloride for use as a throat spray, put up in 30-c.c. bottles; a compound inhalant similarly sent out; and an ephedrine nasal jelly, retailing at 1s. 3d. a (collapsible) tube.

Trade-Mark Applications

The figures in parentheses refer to the classes in which the marks are grouped. A list of classes and particulars as to registration are given in "The Chemist and Druggist Diary," 1930, p. 341.

APPLICATION AMENDMENT AFTER ADVERTISEMENT

- "B.M.C.P." with two interlocked triangles ("B.M.C.P." disclaimed); for magnesium carbonate, magnesium oxide and magnesium hydroxide (3). By B. M. Chemical Products, Ltd., 49 Eastcheap, London, E.C.3. 500,999.
- (From "The Trade Marks Journal," June 11, 1930.)
- "SERENIUM"; for a preparation of diamino-azo-benzol (3). By Ostro Research Laboratories Inc., 501 West 145th Street, New York, U.S.A. 510,477.
- "LALINCAU"; for a medicine for duodenal ulcer (3). By J. Craig, 229 Oldham Road, Failsworth, Manchester. 512,080.
- "FRU-VIT"; for laxative sweetmeats (3). By F. W. Hampshire & Co. (1927), Ltd., Sinsin Lane, Derby. 512,144. (Associated.)
- "INDIPAX"; for medicines (3). By Indipax Products, Ltd., 4 South Place, London, E.C.2. 512,916.
- "HOZONTENE"; for food substances (42). By Hough, Hoseason & Co., Ltd., Sun Buildings, Bridge Street, Manchester. 512,573. (Associated.)
- "NUMOR"; "KOLMOR"; for perfumery, etc. (48). By C. Abrahams 646 & 647 Salisbury House, London Wall, London, E.C.2. 512,532/533.
- "MAYBELLINE"; for perfumery, etc. (48). By T. L. Williams, 5900 Ridge Avenue, Chicago, Illinois, U.S.A. 507,588.
- (From "The Trade Marks Journal," June 18, 1930.)
- "SANDOZ" with "S" in triangular shape; for chemicals (1). By Chemical Works Formerly Sandoz, 60 Fabrikstrasse, Basle, Switzerland. B511,031.
- "PANTO"; for photographic plates and films (1). By I. G. Farbenindustrie A.G., Mainzerlandstrasse 28, Frankfurt-on-Main, Germany. 512,294.
- "PHANTOPLASM"; for photographic plates and films (1). By V. Donnington, 9 St. James' Terrace, Regent's Park, London, N.W.8. 512,926.
- "ALTEX"; for manufacturing chemicals (1). By British Dyestuffs Corporation, Ltd., Hexagon House, Blackley, Manchester. 512,941.
- "PYNELLA"; for disinfectants (2). By R. S. Clare & Co., Ltd., 8 to 15 Stanhope Street, Liverpool. 512,832.
- "TAYTONA"; for veterinary tonic powders (2). By Taylor & Son, 42 The Crescent, Slough, Buckinghamshire. 512,349.
- "LEVUROL"; "STRONTYL"; "OPOSINOL"; for tablet medicines (3). By Forsyte, Ltd., 38 Buckingham Palace Road, London, S.W.1. 502,308/309/310.
- "RAVELLIATPLA"; for medicinal chemicals (3). By Dr. Ramón Plá Y Armengol, 114 Avenida de la Virgen de Montserrat, Barcelona, Spain. 509,111.
- "MRS. CULLEN'S POWDERS" with label design including words "CULLEN & RAWDON, chemists," for headache powders, etc. (3). By I. Davison, 46 High Street, Portadown, County Armagh, N. Ireland. B510,541.
- "CETOQUIN"; for medicinal tablets (3). By D. H. Moore, Ashcombe Pharmacy, Ashcombe Road, Weston-super-Mare. 511,723.
- "KARTO"; for medicinal chemicals (3). By Kaylene, Ltd., 7 Mandeville Place, Wigmore Street, London, W.1. 511,861.
- "JAM-BREE"; for medicinal chemicals (3). By A. E. Starkey, 170 Merton Road, Wimbledon, London, S.W.19. 511,988.
- "URACE"; for medicinal chemicals (3). By Healey Royle & Co., Ltd., 16-34-38 Provost Street, City Road, London, N.1. 512,720.
- "PYRESTAESIN"; for all goods (3). By A.G. Vorm, B. Siegfried, Brühlen 830, Zofingen, Aargovia, Switzerland. 512,952.
- "SAVOLAS"; for surgical instruments, etc. (11). By M. Taylor, R. C. Bennett and N. de Lacey, 170 Tower Bridge Road, London, S.E.1. 512,614.

Births

Notices for insertion in this column must be properly authenticated.

HODGKISS.—On July 7, Sylvia, wife of G. T. Hodgkiss, M.P.S., 311 Wimbledon Park Road, London, S.W.19, of a daughter.

WYNTER.—At Luton, on July 3, the wife of H. W. S. Wynter, chemist and druggist, of a son.

Marriages

BARCLAY—FRESSON.—On June 25, at Holy Trinity Church, Brompton, London, S.W., by the Rev. Prebendary Gough, Innes Barclay, B.A.Cantab., only son of Mr. and Mrs. Barclay, of Metchley Grange, Birmingham, to Christine D'Almayne, youngest daughter of Mr. and Mrs. Fresson, of Grove End, Northwood.

MANTELL—PORTLOCK.—At Bromley (Kent) Parish Church, on July 2, by the Rev. Gilbert Williams, Stanley T. Mantell to Violet Portlock, daughter of Mr. H. P. Portlock (Winton's Drug Co., Ltd.).

SHANNON—FIELDING.—At St. Mary's Church, Haddington Road, Dublin, by the Rev. J. Hooke, C.C., assisted by the Very Rev. F. M. Browne, S.J., Joseph, only son of Mr. J. P. Shannon, South Circular Road, Dublin, to Ita Mary, only child of Mr. P. J. Fielding, Ph.C., Cork.

WALKER—BUTTON.—At Camberwell, London, S.E., on June 14, Leslie John Walker, Ph.C. (Potter & Clarke, Ltd., manufacturing chemists, London, E.1), to Doris Winifred Button.

Silver Wedding

CLEWORTH—WILLIAMSON.—At Christ Church, Moss Side, Manchester, on July 5, 1905, by the Rev. J. W. Challenor, John Cleworth, M.P.S., only surviving son of Mr. William Cleworth, Vicarage Square, Leigh, Lancashire, to Alice Williamson, youngest daughter of Mr. James Williamson, Greenheys, Manchester. Present address: 56 Ducie Street, Greenheys.

Deaths

ANDERSON.—At 60 Forfar Road, Dundee, on June 24, Jane Horne, wife of the late Mr. A. B. Anderson, chemist and druggist. Mrs. Anderson was president of the ladies' committee when the British Pharmaceutical Conference met in Dundee in 1902, and was a frequent visitor at the annual meetings of the Conference.

BEATTIE.—At 4 Viewforth, Edinburgh, on July 7, Grace Blackwood, wife of Mr. Peter R. Beattie, chemist and druggist, Edinburgh.

BEEDIE.—At Aberdeen, recently, Mr. William A. Beedie, dispenser at the Aberdeen Dispensary for forty-two years, aged sixty-eight. Mr. Beedie served his apprenticeship with Davidson & Kay, chemists, Union Street. He is survived by a widow.

DUNN.—At Bridport, on May 23, Mr. Isaac George Dunn, chemist and druggist, aged sixty-eight.

HUGHES.—On July 1, Mr. Richard David Hughes, chemist and druggist, Lyndhurst, Denbigh, aged eighty-four. Mr. Hughes, who was a native of Gwyddelwern, Corwen, had carried on business at Denbigh for forty-three years. He leaves a widow and one son, Mr. H. Reginald Hughes, chemist and druggist, Abergel.

PARKINSON.—At "Northfields," Dordon, Atherstone, on June 22, Mr. Frederick William Parkinson, chemist and druggist, aged seventy-nine.

WARD.—At the Pharmacy, Upper Waterloo Road, Cardiff, on July 7, Mrs. Barbara Ward, mother of Mr. E. A. Ward, chemist and druggist, aged fifty-three.

WHITEHEAD.—On July 3, Mr. Robert Lascelles Whitehead, for many years a representative of James F. Wilkinson, medical printers, Pendleton, Manchester. Mr. Whitehead enjoyed the esteem of numerous pharmacists in the North of England; having a rich sense of humour, he was one of the worthies of the road of a type now almost unknown.

WOOD.—At his residence, 242 Abbey Hills Road, Oldham, on July 4, Mr. John Edward Wood, chemist and druggist, aged fifty-nine. Mr. Wood was the proprietor of the firm of Granville Wood & Co., chemists, Ascot Street, Oldham and had been associated with the business for forty years. He was a member of the Clemency Lodge of Freemasons

Personalities

MR. W. J. E. GOULD, chemist and druggist, Teddington, has been elected president of the local Rotary Club.

MR. T. WOOD, chemist and druggist, Macclesfield, has been elected a member of the executive committee of the local traders' association.

MR. A. E. YOUNG, Leicester, has been installed as president of the Leicester Rotary Club for the coming year, in succession to Mr. A. Cholerton (A. de St. Dalmas & Co., Ltd.).

MRS. MURRAY, secretary of the Cardiff Ladies' Conference Committee, while playing in the golf semi-finals of the mixed foursomes recently, had the misfortune to slip and sprain her foot badly.

As an indication of their good wishes on the occasion of his marriage, the directors of Potter & Clarke, Ltd., manufacturing chemists, London, E.1, gave Mr. Leslie J. Walker, Ph.C., a cheque, and the staff presented him with a cut-glass fruit set and centrepiece.

It is announced that Sir Charles Martin, M.B., director of the Lister Institute of Preventive Medicine, London, S.W.1, and Professor Arthur Harden, head of the Institute's department of biochemistry, are about to retire on completion of their periods of service, and will be succeeded by Professor J. C. G. Ledingham, M.B., head of the department of bacteriology, and Dr. R. Robinson, of the biochemical department, respectively.

MR. A. E. HOBBS, Ph.C., Brakinston, Langton Green, is sailing for Canada on the s.s. "Montclare" from Southampton on July 11, accompanied by Mrs. Hobbs. Mr. and Mrs. Hobbs expect to be away for about three months. At the annual meeting of the Provincial Grand Lodge of Freemasons of Kent, held at Maidstone in June, Mr. Hobbs was appointed and invested as Assistant Provincial Grand Master of Kent by the Rt. Hon. Lord Cornwallis, the Provincial Grand Master.

Information Department

INFORMATION WANTED

Postal or telephone information with respect to makers or first-hand suppliers of the undermentioned articles will be appreciated.

B/126. Bijou Enchante solid perfume	S/47. Hercules suspensory bandages
S/256. Crown brand Epsom salts	W/206. Index asthma powder
H/77. Glucin (for sea-sickness)	C/257. Intelligol
L/236. Guerginiol tablets	K/217. Lilliput razors
	B/236. Novotoxin
	K/57. Quergemol tablets
	H/57. Wizard elastic hosiery

Observations and Reflections.

By Xrayser III

Professor Clay's Views,

as reported in your last week's issue (p. 12), are extremely refreshing, and seem to me worthy of the widest possible circulation. This country was bound to be more badly hit than others by a widespread interruption and dislocation of normal industrial activities, and the vast extent of the dislocation from which we are suffering appears quite sufficient to account for the comparatively slow process of recovery. The trouble is that politicians have felt themselves compelled to act as economic physicians, and allowed pressure upon them to send them in search of remedies which savour more of quackdom than of scientific medicine. In the endeavour to force the pace of recovery money has been spent like water, and sadly too much of it in non-productive directions. But there is the consolation that, as Professor Clay pointed out, this country has preserved a sense of responsibility towards the rest of the world and co-operated in every effort to restore the world to normal economic working. However, there is much to encourage the optimistic view that new industries and new fields of enterprise will in time end the period of post-war depression.

Summer Outings

and sports meetings reported in your columns show the extent to which the holiday spirit prevails at the present time; and this contrasts oddly with the recent note by your Liverpool correspondent (*C. & D.*, June 28, p. 776), who remarks that "No holiday this year" is the decision of several local chemists. What is meant, presumably, is that the chemists in question do not propose to spend a holiday away from home; but I should hope that they are not so lacking in wisdom as to intend to have no vacation. Nowadays the term "holiday" has come to mean a period spent away from the home town, but I fancy the undue strenuousness in which some holiday-makers indulge has the effect of minimising the benefit they derive from the change. I find I can thoroughly enjoy a holiday which is simply a period of freedom from the usual daily round of duty, without incurring the expense of travelling a longer or shorter distance from home.

Rough and Ready

as may be the method of adjustment decided upon by the Ministry of Health, in the proposals for making the doctor pay for what he prescribes against the rules (*C. & D.*, July 5, p. 17), the new arrangement may be expected to bring satisfaction to many panel chemists, particularly those who have suffered loss by disallowances in the past. But if it is still to be left for Insurance Committees to decide what is a drug or medicine, we shall continue to have the anomaly of different rules in this respect prevailing in different areas, possibly in adjoining areas. As a consequence, a practitioner on more than one panel may still be free to prescribe for his patients in one area remedies which are taboo in another area in which he is also interested. Such a state of affairs should not be allowed to exist; and it would not surprise me if, sooner or later, the law courts are called upon to decide whether or not the National Insurance Acts are being infringed by interference with the doctor's right to prescribe as he thinks fit. Meanwhile, we have these new regulations which, presumably, have the approval of those representing the doctors and chemists upon the Drug Advisory Committee. I note, by the way, that the London Pharmaceutical Committee is already questioning certain paragraphs in the draft regulations (p. 24), and even going to the length of suggesting that immediate amendment may be desirable.

That "Herculean Medicine,"

as John Wesley called "the Bark," was as vehemently discredited by some physicians as it was praised and recommended by its sponsors when introduced into Europe. The most interesting article contributed by Mr. Holmes to your pages (*C. & D.*, June 28, p. 827) is something more than a history of an important drug; it sheds a strong light on the changes which took place during the seventeenth century in the practice of medicine and on the health, or ill health, of the people, and on the conditions under which they lived. As Mr. Holmes indicates, there was at that time the greatest need of some means to fight the intermittent fevers which were a continual scourge. The histories of medicine provide us with some notion of the prevalence of the so-called agues, and of the means taken to deal with them. A better estimate of the sufferings of the community, from this cause, may perhaps be obtained from such a book as "A Rich Storehouse or Treasure for the Diseased," of which there were eight editions between 1596 and 1650. It contains no less than forty-six recipes for the treatment of agues; twelve pages are occupied by these. As is usual in all such cases, in every department of human thought and activity, the forces of progress and reaction were soon violently opposed to each other upon the introduction of cinchona. At a very early stage in the conflict that "Prince of practical physicians," Thomas Sydenham, felt himself obliged to acknowledge the new drug to be a specific in the treatment of fevers

Of Those

who were opposed to the claims made on behalf of "the Bark," one of the best known was Hugh Chamberlen, one of the famous family of seventeenth-century surgeons and physicians who established a great reputation as men-midwives. This Hugh Chamberlen, sen., wrote a rather curious and rare little book for "the use of a son I have sent to the East Indies." It is called "Manuale Medicum, or a Small Treatise of the Art of PHYSICK in General and of VOMITS and the Jesuits' Powder in Particular, by Hugh Chamberlain, Physician in Ordinary to his late Majesty and Fellow of the Royal Society." He never took a medical degree, but like his father (who, by-the-by, was a physician) practised as a surgeon; he also unhesitatingly undertook medical treatment from which by statute he was debarred in the City of London. (I should point out that his residence was in Essex Street.) Consequently the College repeatedly summoned Chamberlen to give an account of his misdoings. The evidence showed him as a firm believer in the administration of purgatives and vomits. His little treatise was written to establish the value of this class of remedies and to support his practices. As "the Bark" was a styptic and astringent, it necessarily came under his condemnation. It is recorded that in the course of nine days he administered to a female patient "four vomitts, four purges and caused her to be bled three times to the quantity of eight ounces each time." He was, perhaps, the most noteworthy member of the family, and his influence in the metropolis and in court circles was very great. He was in other matters far removed from being a typical reactionary: in fact, he was an innovator of an ardent complexion. The faculty had good reason, as they thought, for suppressing him. His father wanted to organise the midwives, and he himself, proposed the foundation of what he called a "New establishment of Physick" which for a "small annual assessment would serve all the Families, Rich and Poor, Little and Great, within the City and parts adjacent. much better and cheaper than at present, with Visits, Advice, Medicine and Surgery."



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Editorial Articles

The Draft Pharmacy and Poisons Bill

A Summary of the Position

THE publication of the Retail Pharmacists' Union's memorandum (*C. & D.*, June 7, pp. 700 *et seq.*) completes the pharmaceutical evidence which preceded the compilation of the report of the Departmental Committee with its draft Pharmacy and Poisons Bill. For the present we have left over the examination of the important pharmacy part. All the appointed exponents to represent pharmaceutical interests have not spoken with the same voice. That is a pity, and it appears the more so as in certain essentials pharmacy is divided in expression if in nothing else. Facts are better faced, and loose threads of thought must be knit together as firmly as the conditions will permit, or the fight on several fronts will be begun all over again and pharmacy may suffer disintegration. We have had various expositions of the draft Bill, and the Council of the Pharmaceutical Society, we understand, is to expound the mysteries of indefinite terminology at the British Pharmaceutical Conference at Cardiff. So far, so good, but where is it leading us? Looking back, we note that our first warning, on March 22, still stands. We said: "It should not have been difficult to suggest means for the removal of certain defects without proposing the introduction of new machinery designed to disturb the whole foundation of pharmacy." In spite of all that has been said or written, no satisfactory reason has been put forward by any apologist justifying uprooting rather than rationalising pharmacy and the poison laws. In that same issue we published the evidence of Sir William Glyn-Jones, which, in some respects, would have produced quite a revolution in pharmacy. His cogent exposition of poison law had a marked influence, causing the committee to Burke obvious difficulties and suggest the creation of a Poisons Board with all its undefined sanctions dependent on a secretary of state. In successive issues we published a variety of opinions from men of affairs in pharmacy, which were in many instances remarkably helpful but alas, showed divergent views. We have now the memorandum of evidence of the Retail Pharmacists' Union, and its supplementary evidence, doubtless induced by the same request from the Committee which led astray the Pharmaceutical Society's Council; the contrast in response is interesting. The Council of the Society say: "If the Committee finally decide that this question of principle is of sufficient importance to necessitate an alteration in the present

THE CHEMIST AND DRUGGIST

system, the Council suggest" The Union also suggest, but with a difference:—

The Society

" This could be done by the creation of a Poisons Board constituted under Statute and acting under a department of state, to which Board should be transferred the powers at present possessed by the Society's Council to propose amendments to the Schedule and make regulations."

The Union

" The Executive of the Union is satisfied that the reconstitution of the Pharmaceutical Council in this manner [by dilution] would be an advantage from every point of view . . .

" That its revised constitution would remove any objections which might be entertained from the public point of view regarding the exercising of these functions, and that it would be a suitable body for drafting regulations under the Dangerous Drugs Act so far as dispensing of those drugs is concerned.

" That the Council . . . should make draft regulations for submission to a department of state, which department would be responsible for making the necessary statutory rules and orders."

Mr. Young accepted the principle of an *ad hoc* Poisons Board; Mr. Neathercoat accepted the same in accordance with the suggestions of the Society; but what is the reaction between Mr. Young and the Retail Pharmacists' Union, with its modification of the Glyn-Jones evidence? One regrettable thing is that the Departmental Committee apparently imposed secrecy, and there is, throughout, a lack of co-ordination between the specific authorities in Pharmacy and their representatives. Much might have been avoided if confidential interchange of discussion and opinion had taken place. As it is, a Poisons Board is now the only likely result of any change which may arise; and what is material is its constitution and its relation to the Council of the Society on the one hand and the Secretary of State on the other for the purposes of safeguarding the interests of the community. The apologists for the Committee interpret its intention, as expressed in the report, as being that listed sellers of poisons would have practically what is contained in the present Schedules under Sections 2 and 5 of the Poisons and Pharmacy Act, 1908. There is no guarantee that any Poisons Board would so confine itself. We may bear in mind that all vendors of poisons would be subject to rules, regulations and inspection; and what could reasonably be expected from any Poisons Board which started from the conception that protection of the public was served by rules and regulations rather than by specific educational training? Should we accept the idea that only Section 2 and Section 5 poisons and poisonous substances are to be controlled through listed persons? If so, it is unnecessary to worry about the constitution of a Poisons Board as long as pharmacy is strongly represented. No Bill, however, can be accepted by pharmacists which does not make this point quite clear. The views of the protagonists for the Bill make us

wonder what was the object of Mr. Young's reservation, as it should be clearly impossible to do more about Sections 2 and 5 under the 1908 Act than to tighten control, which the draft Bill would undoubtedly do. Closer analysis of these sections tends to minimise the reservations which were made, mostly on account of the nebulous character of the Poisons Board and what it implies in co-ordination with the all-powerful authority of the Secretary of State. Some interchange with the Pharmaceutical Society's Council should be provided for. It is gravely illogical that the technical authority on poisons should administer the rules and regulations of a Poisons Board unless it has direct co-operation. It would be in the interests of all parties to accord recognition under statutory authority; can anyone conceive any other professional body being superseded on no satisfactory pretext without more adequate safeguards? It is not so much the number of members on a Poisons Board which need disturb us as its direct relation to its administrative section, the Council. Another disturbing factor which needs closer consideration is, " What is a poison? " At present we have a working definition which has served quite well, " *De minimis non curat lex* " has been useful in difficulties, but the omnibus clause brings numberless preparations within the Poisons Schedules which no extended list by a Poisons Board is likely to include. A general list is one thing, a particular list is another; and pharmacists have to deal with the toughest proposal of the whole suggested change in this issue. Provision for dispensing medical prescriptions can be made in general terms. Provision can be made for vending poisons as such or suitably diluted; but will a Poisons Board regard a cough mixture with a small amount of paregoric as a poison within their conception of what a poison is? The powers of the Secretary of State should be better defined. It is not suggested that he would override the Act if the draft Bill ever becomes one, but it is not satisfactory to give him such material power without better safeguards. Finally, there are institutions and thousands of doctors' surgeries where poisons are handled and dispensed which could be brought within the purview of an Act by administrative process under this draft Bill, but probably without any true inspection. This is not logical; what may be regarded as necessary for " selling " is equally justifiable for " dispensing " in all places, whether institutions, surgeries, or departments of wholesale houses where prescriptions containing poisons are dispensed. A proper and systematic unification should be made in any amendment or (as we would prefer) the redrafting of the poisons part of this draft Bill so far as is necessary to cover the points to which we have called attention. To summarise: The issues which need more clearly defining are:—

- (a) The scope for vending poisons by listed persons.
- (b) The duties of the Poisons Board and co-ordination with the administration by the Pharmaceutical Society's Council.
- (c) To bring listed vendors of poisons under the administration of authorised " sellers of poisons."
- (d) Redrafting of clauses dealing with Part I poisons in addition to clearer demarcation of Part II poisons.
- (e) The power of the Secretary of State in dealing with exemptions from Part I of the Poisons List and a general construction of rules and regulations.

(f) The inspection of places of whatever nature where poisons are dispensed should be under the same authority as sales.

(g) The same rules in dealing with poisons, so far as practicable, which apply in shops, should apply in all places where such poisons are dispensed or administered.

What the Pharmaceutical Society is going to put forward at Cardiff we do not know; but we are certain that no good can arise from anything but discussion of definite proposals, honestly believed in and not tentatively held. We suggest that the Cardiff Conference should be regarded as a preliminary to a fuller conference on a new or reconstructed Bill to which diverse minds can turn without waste of time. Not only at the Conference, but in every branch of the Society there should be a suitable meeting at which an official exponent of the reconstructed Bill should be present and express ideas in a manner likely to be understood by his hearers.

Depression in Shellac

In conjunction with many other commodities, shellac, which was particularly influenced by adverse speculative considerations lately, has suffered severely from the world trade depression. Fears of reduced requirements in the chief consuming branches over a certain period, at least until towards the autumn, have impelled American importers to refrain as long as possible from the placing of new contracts for direct shipment from Calcutta. This policy does not appear to have been as yet much modified, in spite of the good rally noted last week from the lowest of the depression, as there is still some little doubt whether the market has actually touched bottom. The larger American consumers have been buying from hand to mouth for some time past, as was to be expected in a sharply falling market, and reserve stocks in dealers' hands are doubtless low. The fact is thus not surprising that the proportion of the total Calcutta shipments to the United States for the first half of June was more liberal than before, thus at least indicating the need for a certain replenishment of spot supplies. This year's American imports will probably remain well under those for last year, which were abnormally heavy, although it is not improbable that American trade conditions will experience some recovery from the autumn onwards. On this side there was a further heavy accumulation of stocks this year to the end of April, to as much as 36,013 cases, despite appreciably reduced landings by several thousand cases, which thus made the deterioration in the statistical position the more conspicuous under the shrinkage in the trade takings. During the last two months, however, there has been a considerable falling off in the quantities landed, down to 5,185 cases for May and to only 3,418 cases for June, so that, notwithstanding the further reduced deliveries for June at only 3,818 cases, the stocks have contracted to 35,049 cases, being thus about 1,000 cases less than two months ago. Since the position was dealt with in our columns of February 22 last (pp. 225-26), depressing speculative operations played an important part in the downward movement both in Calcutta and in London. Stale bull commitments have had to be repeatedly sacrificed on persistent declines down to as low as 93s. per cwt. for August delivery, but bear operators became rather nervous at the lower levels, while holders on the spot were reluctant sellers, and quickly raised their terms from about 110s. to 117s. 6d., when attempts were made to cover short contracts, which caused the price for August to jump to 103s. The spot value of 110s. for TN Orange recorded above was 2s. 6d. per cwt.

below the extreme lowest figure touched in 1926. Consumers are still showing hesitation about covering themselves, but there seems to be a little more confidence in the market, with a steadier feeling at the primary source, where a premium has been established in forward positions. Given evidence of more effective resistance at around the current level of values, there is little doubt that deliveries into consumption will regain more normal dimensions. The technical position is probably stronger, and statistical indications here appear to favour a further improvement on account of the more restricted arrivals. The tabulated figures given below show the monthly averages of landings and deliveries for a number of years, together with returns of stocks, from which it will be seen that there has been a material reduction in the absorption of supplies so far this year in this market:—

London (cases)	Monthly averages		Stocks at end of period
	Landings	Deliveries	
1925	4,918	4,851	10,847
1926	5,515	5,078	15,894
1927	6,811	6,833	15,371
1928	7,463	7,122	19,469
1929	6,739	6,383	25,804
1930 (January-June)	7,178	5,639	35,049

The average of deliveries for the first half of this year at 5,639 cases is comparatively low compared with that for the whole of the three previous years, but the average for the whole of this year will doubtless make a better showing, given more settled conditions and some recovery in those manufacturing branches, such as paints and varnishes, which have been handicapped by the general trade depression. The average of the landings this year is relatively high, but somewhat confusing, as the actual arrivals for the six months at 43,071 cases are well over 5,000 cases short of the figures for the same period last year. Shellac being now considered cheap, its consumption will doubtless be eventually stimulated, although the fact remains that present stocks here at about 35,000 cases would represent well over five months' normal requirements. Some allowance, however, might be made for the stocks held by consumers having been abnormally reduced under unsettled conditions.

Westminster Wisdom

Notes on Parliamentary Matters.

MEDICAL ACT, 1858

Mr. Freeman asked the Minister of Health, on July 3, whether it is his intention to introduce legislation to amend the Medical Act, 1858, so as to procure recognition and independent regulation of osteopathy, and give its properly qualified practitioners a legal status equivalent to that enjoyed by other recognised professions.

Mr. Greenwood: The answer is in the negative.

DIVIDENDS ON INSURANCE PRESCRIPTIONS

Mr. Albery asked the Minister of Health on June 26 whether he proposes to change the regulation prohibiting the payment of co-operative dividends on National Health Insurance prescriptions, and a similar question was put by Sir Kingsley Wood, who also asked the Minister whether he had received a copy of the resolution passed by the recent Co-operative Congress.

Mr. Greenwood: I have not received any resolution from the recent Co-operative Congress on this subject, but I am aware of the discussion which took place; and the matter is continuing to engage my attention.

Extract of Malt

By C. Edward Sage, F.I.C.

THE fixing of a standard by which the quality of extract of malt could be judged when used for medicinal purposes seems to be a necessity. The problem for the compilers of the British Pharmacopœia is one which presents many difficulties, for extract of malt is put to many uses besides medicinal ones, and once the Pharmacopœia adopts a standard there will be need to admit the difference between a medicinal malt extract and one for technical purposes, in the same way it is necessary to differentiate between borax for medicine and for laundry work, or soft paraffin for ointments and for lubrication. The British Pharmaceutical Codex contains the following statement:—

The medicinal value of malt extract depends upon the proportion of total soluble nutritive carbohydrates it contains and upon its diastatic action, the latter enabling it to convert the starchy constituents of food into soluble carbo-hydrates, chiefly maltose. But the diastase becomes inactive in an acid medium such as obtains in the stomach during digestion.

Although the Codex gives directions for testing the value in terms representing the richness, or otherwise, in diastase, it does not specify which strength is most suitable for medicinal purposes, but it makes the definite statement:—"Malt extract consists chiefly of maltose (50 per cent. or more) and dextrin, with some dextrose, and should also contain a fair proportion of diastase."

The United States Pharmacopœia also makes a definite statement as follows:—

Extract of malt is capable of converting not less than five times its weight of starch into water-soluble sugars,

and gives a process of assay by means of which the diastatic power may be estimated. It is an arbitrary process, but it is sufficiently definite to ensure that the extract of malt contains a reasonable amount of diastase.

DIFFICULTY IN SELECTING A STANDARD

The adoption of any standard for either diastase or total sugars would lead to much controversy whereby the value of the product can be assessed. There are many methods of preparing the extract, and a competent manufacturer can produce an extract rich in diastase if he is prepared to sacrifice some of the sugars, and on the other hand he can extract every vestige of the sugars, but in the process of condensation of his liquors he may spoil the flavour or the keeping qualities of his product. If, however, a definite specification of diastatic power is stipulated and considered to be the chief consideration, there are methods by which this can be attained without the resulting product being a first-class malt extract for medicinal purposes; likewise, if percentages of sugars is the chief consideration, these may be obtained from other sources than malt, and added to the extract in order to produce whatever sugar content may be desired. The United States Pharmacopœia authorities have added 10 per cent. by weight of glycerin, presumably to improve the keeping qualities of the product; but it is questionable whether the advantages so obtained are worth the expense.

EXISTING STANDARDS

The Codex method of testing and the term "diastatic power" gives figures representing the weight of starch converted by 100 parts of extract of malt, so that on similar terms the U.S.P. standard would approximate to a 500 diastatic power. Or figures for diastatic power divided by 100 would give the weight of starch digested by 1 part of extract, near enough for purposes of comparison. The recent examination of a number of samples yielded results recorded below,

which suggest that where malt extract is mixed with cod-liver oil the manufacturers do not always consider the diastase of chief importance; and if such preparations are satisfactory for administration to children, it would seem correct to assume that the cod-liver oil and the carbohydrates are the factors of chief medical significance, and that the "fair proportion of diastase" specified in the Codex is something considerably lower than the standard adopted by the United States Pharmacopœia. For purposes of comparison the figures for four samples of plain malt extract are included with those of the samples of malt and oil. All the latter samples contained approximately 15 per cent. by volume of cod-liver oil, and each one was a satisfactory product if judged by the standards of taste and condition which are usually acceptable. The samples containing a low percentage of sugar were thin by comparison with the others, but there was no other reason for considering them unsatisfactory; and unless some evidence of clinical importance is forthcoming to prove otherwise, it would seem that such products fulfil the requirements of physicians who order them for so many patients.

Sample	Lintner value	Total sugars as maltose
Extract of Malt	54	69
" "	170	62
" "	6	49
Malt and oil	17	51
" "	2	42
" "	6	54
" "	3	52
" "	5	45
" "	1.5	54
" "	2.8	52
" "	19.0	54
" "	6.0	45
" "	15.0	52

The adoption of any standard by the compilers of the next edition of the British Pharmacopœia must be covered by the grade designations issued recently by the Ministry of Agriculture and Fisheries, for in the Statutory Rules and Orders, 1929, No. 1115, Schedule II gives the grade designation for "All English (Pharmaceutical) Malt Extract," and it is difficult to suggest how the General Medical Council and the Pharmacopœia Commission could adopt any other standard than the one prescribed by the Ministry of Agriculture for "malt extract produced from barley grown in England and Wales," unless they suggested different standards for Colonial-grown or foreign barleys. The Schedule prescribes the following specification for Pharmaceutical Malt Extract:—

Diastatic activity		
(Lintner value)	...	Not less than 25
Soluble protein content	...	Not less than 5 per cent.
Specific gravity	...	Not less than 1.4

The extract shall be the entire and pure product of commercially sound, clean, malted grain, and shall otherwise comply with the requirements of the Food and Drugs (Adulteration) Act, 1928.

It is over forty years since extract of malt and malt and cod-liver oil became prominent medicinal and dietetic products in pharmacy, yet the problem of their valuation is by no means settled by the issue of the Statutory Orders, and any pharmacopœial specification for inclusion in a new issue of the standard official book of reference will need the closest consideration; for Lintner values and diastatic activity mean little to the medical profession, but everything to the maltster, and it is the latter who will have to furnish supplies. It is quite possible that an "All England and Wales" barley might be improved with a dash of Scotch or Irish; certainly some foreign barleys might help to make a better blend for producing pharmaceutical extracts.

New Zealand Markets

THREE seems no better time than the present (says our New Zealand correspondent) for a retail pharmacist of New Zealand to make a few observations on the business conditions of his country. In view of the recent articles in the *C. & D.* touching on the New Zealand market for toilet goods, and that excellent contribution on "Empire Pharmacy," from the pen of Mr. W. H. Saunders, of Liverpool, I hope they will be welcome.

Although figures show a definite increase in the use of toilet goods these should not be interpreted too liberally. In other words, manufacturers must not assume that we have a market here clamouring for their goods. At the present time those who consume the greater proportion of the toilet requirements have reached, and in some cases over-reached the limit of their spending capacity, and consequently the markets are, so far as quantity and variety are concerned, more or less at saturation point. For some considerable time past New Zealand has had unemployment along with its depression problems to contend with, and the business lag has really just made itself felt.

STORE CUT PRICES

Cut rate and department stores have played temporary havoc with the turnover of pharmacies. Of course, even in the past we have had a certain amount of this competition, but it has usually fizzled out or been forced to raise prices. At present there is every indication of a similar movement taking place among some of the cut rate stores in the larger towns. While they exist, the pharmacist suffers to a certain extent, but it is when they go out of business that the manufacturers pay the penalty, for lines that have once been made a chopping block are none too popular later, even on any terms. Paradoxical as it may appear, this depression with all its causes and cut-throat competition has been a blessing in disguise for the pharmacist. From more or less apparent security—lethargy even—he has emerged, and is fighting not only hard, but also scientifically, for his very business life, and, what is more, he is gaining ground. He realises that this is the era which will decide whether the future is to see business conducted by a few large stores, or by a large number of small shops run, not as at present, but along strictly business-like efficient lines. It has had the effect of making the retail chemist concentrate on his own lines, and those reserved for the sale by "chemists only." Gone are the days when chemists introduced and fostered new lines, only to see them gradually find their way into the hands of other traders and cut rate stores.

PHARMACISTS CO-OPERATING

Divisions and trade associations are quietly, continually and effectively working together, and the individual is rapidly appreciating the value of unity and co-operation. If pharmacists continue to carry on this revival as they have started (and there is every reason to believe that their efforts will increase) the chain store will have a leaner time. For one thing, we have not the population (and what there is, is more or less scattered) to support them, and for another thing transport facilities are not the kind conducive to their welfare. All this is by way of information to prospective traders. As Mr. Saunders in his "Empire Pharmacy" has given you to understand, British manufacturers have a very decided advantage over their foreign competitors. Even in the business world, New Zealanders have a most kindly regard for British goods—to the staunchest colonial, Britain is always "Home," and it is Britain they all hope to visit as soon as "financial fortune" is kind enough to permit them. Unfortunately, chiefly owing to the attractive prices, foreign goods have made rather rapid strides of late. Retailers have been forced to stock certain lines, not perhaps to the total exclusion of similar British goods, but certainly to their

curtailment. In industry one sees the remarkable effects from the application of the Taylor system of management. The time is ripe for the adoption of corresponding rules to problems of distribution and its attendant questions.

BRITAIN MUST STUDY THE MARKET

First and foremost, it is absolutely necessary to know the market, the local conditions, and the demand. The time when the consumer's likes and dislikes were ignored has long passed. Competition is keen, and if one will not supply what is wanted someone else very soon will. These remarks seem elementary, yet it is remarkable how these self-same principles have been violated in the past. The only way to really know and understand the requirements and possibilities of any market is to personally inspect it. Mr. Saunders will, I feel certain, support that statement. It is visits such as his that definitely foster relations between the Empire outposts and the mother-country. A manufacturer entering the New Zealand field must decide, apart from costs, prices and discounts, whether he is in the position and willing to see that prices of his goods are maintained. As I read the advertisements in the *C. & D.* I often wonder whether the home makers know just what is the fate of their goods. We receive beautiful advertising matter, which, in the aggregate, must cost hundreds of thousands of pounds, and much of it goes straight into the waste paper basket simply because no man can afford to retail these goods at practically invoice cost. Secondly, he must consider whether he prefers a large number of small, loyal customers, and a gradual permanent increase in solid business, or the alternative, large orders from a few cut-rate stores. Of course, if he chooses the latter his distribution charges will be lower, but he may have difficulty in placing his New Zealand quota should one or two of these large firms curtail operations, or, what is more likely, suddenly switch on to a similar line showing a fraction more profit.

Thirdly, whether or not the present requirements are sufficiently catered for. In some directions the variety offered is unduly large and the introduction of competing lines can do little to affect consumption. A transference of desires, showing no actual increase in the ultimate returns, is the most one can expect.

Just a brief word on advertising. It may be the kind that forces the retailer to stock the goods. Well, it is doubtful if this is a wise policy. In such cases the assistance and co-operation of the retailer is entirely absent; in fact, in some cases there may even be a definite reaction against the goods. The other method of advertising is to sell the "idea" first to the retailer, assist him more or less personally, and then adjust the policy accordingly. While it may take longer to achieve results this way, those that do come will be permanent and the final cost per sale will be low.

Concluding, let me make it quite clear that pharmacists do not demand exorbitant profits. Rather they seek to co-operate with the manufacturer for mutual benefit: the retailer for protection against wholesale cutting and its unsettling influences and the manufacturer in an effort to permanently increase his sales and goodwill. At the present time too many agents in New Zealand are seeking high figures only, to the loss of goodwill towards the goods—rather a high price to pay. I trust that my remarks will not be interpreted as unduly dictatorial. Rather do I write in an advisory and cautious strain. With the possibility of New Zealand markets being sought by British traders one cannot stand silently by and see money uneconomically expended in vain attempts to capture trade which, perhaps, does not exist. Overlapping means waste, and waste leads to bankruptcy. Efficiency must be the watchword throughout our great commercial and industrial Empire. New Zealand is a young country kindly disposed to British goods. Study her requirements carefully, start right, and then keep it going.

Trade Report

The prices given in this section are those obtained by importers or manufacturers for bulk quantities or original packages. To these prices various charges have to be added, whereby values are in many instances greatly augmented before wholesale dealers receive the goods into stock, after which much expense may be incurred in garbling, packing, etc. Qualities of chemicals, drugs, essential and fixed oils, and many other commodities vary greatly, and higher prices than those here quoted are charged for selected qualities of natural products even in bulk quantities.

28 Essex Street, W.C.2, July 10

DEEP interest has been aroused in City circles by the Bankers' Manifesto in favour of Inter-Imperial Trade. This Manifesto (see p. 31) dealing with the economic situation is regarded as an highly important and authoritative declaration relating to the increasing difficulties experienced in carrying on the country's many industries for several years past, chiefly through the lack of a discriminating protection against free imports of foreign goods. Trade is getting worse, and the position of unemployment is giving rise to the gravest anxiety in the light of a further large increase in the latest weekly returns. In Mincing Lane there has been no important feature in the leading commodities, sugar being still very dull, although it is understood that another large quantity of Cuban was sold to Russia. Rubber again improved on the further news as to the efforts made by the Anglo-Dutch liaison to establish an effectual restriction scheme, but the market subsequently relapsed and the stocks increased again. Among drugs cod-liver oil is rather lower with more demand for forward delivery. Kordofan acacia is easier to arrive; fine and medium grades of tragacanth are dearer owing to scarcity. Valerian is cheaper. Among the pharmaceutical chemicals depression continues; a further decline has taken place in cream of tartar and benzoic acid; thymol is unsettled and German milk-sugar is lower. Aspirin meets with a limited demand, while the sale of citric acid has improved during the spell of hot weather. In the industrial chemicals group, business continues on a very limited scale, with several reductions in value, comprising potassium and sodium bichromates; chlorates are weak, sodium being easier. Among the aromatic seeds Mazagan and Morocco canary are cheaper, and Dutch caraway on the spot is lower. Among spices, ginger is easier, likewise pepper; cloves and pimento are quiet. In the vegetable oils group coconut and cotton oils show a slight improvement in value, while linseed and American turpentine are cheaper; groundnut is steadier; palm kernel, palm, rape and soya oils are slightly easier.

Higher	Firmer	Easier	Lower
Camphor, ref. (Jp., $\frac{1}{2}$ oz.)	Anise, star, oil	Benzoic acid Betanaphthol Cadmium Ginger Gum acacia (c.i.f.)	Apiol Canary seed Caraway seed (spot) Chrysarobin Cod-liver oil Cream of tartar Emetine and salts
Tragacanth (fine and medium)		Menthol Palm kernel oil Palm oil Peppermint oil (Jp.)	Linseed oil Milk sugar Pepper
	Steadier	Rape oil Shellac Sodium chlorate Soya oil Turpentine	Pilocarpine Resin (Amer.) Rubber Thymol Valerian

Crude Drugs, etc.

AGAR-AGAR.—Kobe No. 1 is slightly easier at 3s. 8d. per lb. c.i.f., and 4s. spot. Yokohama No. 1 spot is 3s. 9d. to 3s. 10d.

ANTIMONY.—There is continued limited demand for Chinese refined, but the undertone is perhaps a shade steadier, sellers on the spot asking £26 to £26 10s. delivered warehouse. Terms for shipment remained at £22 10s. c.i.f. Chinese crude on the spot remains nominal at about £21 10s. Quotations for English regulus stand as before at £46 to £46 10s. for high-grade, while common brands are

obtainable down to £48. Chinese white oxide on the spot is worth about £31.

CAMPHOR (REFINED).—Japanese slabs are quoted at 2s. 4½d. per lb. and flowers at 2s. 5½d. Up to 3s. per lb. has been paid for $\frac{1}{2}$ -oz. tablets on the spot. Stocks are scarce, and will be for three or four weeks.

CASCARA SAGRADA.—For shipment from the Pacific Coast new peel is offered at 42s. c.i.f. On the spot, two-year-old is offered at 66s., and three-year-old at 67s. 6d. per cwt.

CHAMOMILES are in slightly better demand at the lower range of prices, with very fair white Belgian offering at 212s. 6d. per cwt. on the spot.

CLOVES are steadier, with spot sales of Zanzibar at 1s. per lb.; to arrive, June-July is quoted at 11½d. c.i.f., and August-October at 11½d. c.i.f.

The landings in London of Zanzibar during the week ended July 5 were 30 and the deliveries 388, leaving a stock of 1,018, against 1,528 in 1929 and 9,209 bales in 1928. The landings in London from January 1 to June 5 have been 5,903, against 4,424 in 1929, and the deliveries 4,882, against 5,283 in 1929. Landings of Madagascar in London during the week ended July 5 were 250 and the deliveries 81, leaving a stock of 3,346, against 497 in 1929. From January 1 to July 5 landings have been 4,824, against 848 in 1929, and the deliveries 1,491, against 2,896 in 1929.

COD-LIVER OIL is offered at the cheaper rates of from about 100s. to 102s. 6d. per barrel c.i.f. for finest new (1930) non-freezing steam-refined oil. At the lower prices rather more demand is reported, consumers purchasing part of their autumn requirements.

GALLS.—Chinese plum-shaped are offered at 70s. per cwt. c.i.f. for August-September shipment, and ordinary at 66s. 6d. c.i.f. Persian blue are 66s., green 57s. 6d., and white 52s. 6d. on the spot.

GINGER.—West African is offered at 40s. per cwt. on the spot, and to arrive 38s. c.i.f. is quoted.

GUM ACACIA is again easier for shipment, July-August having been sold at 62s. per cwt. c.i.f. for Kordofan cleaned sorts. A rather better spot demand is reported with from 72s. 6d. to 75s. per cwt. paid for cleaned sorts. Talha is only in slight demand, offering at 40s. on the spot, and at 30s. c.i.f.

The London stock of all descriptions on June 30 was 5,199 packages, against 3,395 in 1929 and 7,283 in 1928. Landings to date (June 30) were 12,796, and the deliveries to date 9,482 packages.

IECACUANHA is without interest, Matto Grosso offering at from 10s. to 10s. 3d. per lb.

KINO.—Bright ruby East Indian is scarce on the spot, and has realised 1s. 6d. to 1s. 7d. per lb.

MENTHOL is slightly easier, Kobayashi-Suzuki offering at from 14s. 4½d. to 14s. 6d. per lb. on the spot, and at from 13s. 9d. to 14s. per lb. c.i.f.

MERCURY.—There is little alteration except that rather more demand has again been coming forward and a fair number of orders have been secured for controlled metal on the spot. Terms have been revised slightly, being officially called £22 to £22 2s. 6d. net, according to quantity. The c.i.f. quotation for shipment stands at £21 15s. net for not less than 25 bottles. The American price, delivered duty paid in New York, is about \$120 per bottle. It was reported that an American order for 500 bottles has been arranged on this side, but this has been contradicted. The U.S.A. output for last year was 23,682 bottles of 76 lb. each, this comparing with 17,870 bottles for the year 1928.

OPIUM.—According to the monthly trade journal of the British Chamber of Commerce in Turkey, "Sales for the month of May in Constantinople amounted to 70 cases, drugists' old crop selling at about 17 to 18, with better qualities at 20 liras per oke. Malatias were sold at 26 and 27 liras. Lower prices are certain to obtain next month when new crop is marketed; it is estimated that, given favourable weather conditions during the collecting period, the crop should yield around 8,000 cases."

PEPPER is lower at 9½d. per lb. on the spot for fair black Singapore and at 6½d. c.i.f. for August-September shipment. Lampung is 9½d. spot. To arrive, the sales include May-July shipment at 8½d. to 8½d. to 6½d. c.i.f.; August-October at 7½d. to 6½d. c.i.f. Tellicherry is 10d. spot and Alleppy 9½d. spot. White Muntok is easier at 11d. spot, and sales having been made at 11½d. To arrive, the sales include May-July shipment at 10½d. to 8½d. c.i.f.; July-August at 9½d. August-October at 9½d. to 9½d. to 8½d. c.i.f.

PIMENTO is quiet at 7½d. per lb. spot, with July-August shipment at 67s. 6d. c.i.f., and sellers of August-October at 60s. c.i.f.

RUBBER has again fallen and is about 4d. per lb. lower on the week. In spite of the fact that more interest was being

shown by manufacturers, as was proved by the heavy purchases made for 1931 delivery rubber, the market has failed to sustain its previous improvement. The market movements during the past week have been mainly influenced by optimism and pessimism in turn as to the possible outcome of the conferences between the leading producers both here and on the Continent. Arrivals last week totalled 1,846 tons, whilst deliveries were 1,485 tons, showing a further increase of 361 tons in the stocks. The London stock now stands at 80,060 tons, against 30,004 tons at the corresponding period last year. The Liverpool stock now stands at 28,143 tons. Quotations (Wednesday, 5 p.m.): No. 1 standard ribbed smoked sheet, spot and July, 5½d.; August, 6d.; September, 6½d.; October-December, 6¾d.; January-March, 6½d. per lb.

SEEDS.—ANISE.—Spanish is 57s. 6d. and Russian 31s. per cwt. on the spot. **CANARY.**—Mazagan on spot is now 26s. 6d. and for July-August shipment 25s. 6d. c.i.f. is quoted. Morocco is lower at 24s. 6d., and for shipment 22s. 6d. c.i.f. is asked. **CUMIN.**—Malta is 70s. for sifted, and f.a.q. 65s. Morocco remains at 55s. spot. **FENUGREEK** on spot is 18s. 6d., and for July-August shipment 15s. c.i.f. is quoted. **CORIANDER.**—Business has been done at 7s. per cwt. spot for ten to twenty-ton lots. **CARAWAY.**—Dutch on the spot is lower, sellers now offering at 32s. 6d. **DILL.**—Indian 11 per cent. remains at 21s. 6d. per cwt. on the spot. **MUSTARD.**—English is 26s. to 32s. per cwt., according to quality.

SENECA.—New crop is quoted at 2s. per lb. c.i.f., and the spot price is a matter of negotiation.

SHELLAC is dull and lower at 112s. 6d. per cwt. for usual standard TN orange; fine orange is 120s. to 210s.; pure button 137s. 6d., and AC cakey 120s. To arrive, sales of June-July shipment have been made at 91s. July-August at 91s. to 92s., and September-October at 101s. c.i.f., to 95s. to 98s. Sales for delivery include August at 103s. to 101s., October at 104s., with closing sellers at 101s. 6d., and December 107s. to 102s. to 104s.

TRAGACANTH.—During the past fortnight there has been a steady demand for gum between £20 and £30 per cwt., and the stocks of these grades are extremely small. It would appear that consumers will have to be satisfied with small arrivals during the next few months, as the crop of this class of gum has already been absorbed. There is a small lot of extra fine white firsts offering at £35. No. 1 fine ribbon is £29 to £30; seconds, £24 to £27 10s.; thirds, £20 to £23; fourths, £16 to £19; fifths, £12 to £15; good white Persian thick leaf, £9 to £11; ordinary to fair yellow, £6 to £7 10s.; reddish, £4 to £5; hoggy sorts, 60s. to 75s. per cwt.

The London stock on June 30 was 13,058, against 11,868 in 1929 and 7,010 in 1928. The landings to date (June 30) were 7,062, and the deliveries to date 4,781 packages.

VALERIAN is lower, new crop offering at 37s. 6d. per cwt., and on the spot last year's root can be had at 45s.

Essential Oils

BUSINESS remains dull with inquiries but few orders. Prices do not show any severe decline, and appear to have touched bottom, though shading would be done to catch business in many articles. Star anise is better. Sicilian citrus oils still show wide variation in price. Geranium oils are firm, with short spot supplies, and c.i.f. offers do not appear definite. French lavender is cheap, and new crop prospects are good. American peppermint and spearmint show weakness.

ANISE (STAR) is the turn better, "Red Ship" offering in leads at 5s. 3d. and tins at 5s. per lb. on the spot. For July-August shipment leads are quoted at 3s. 1d., tins at 3s., and drums at 2s. 11d. per lb. c.i.f.

BERGAMOT is slightly easier at from 10s. to 11s. 3d. per lb. spot and 9s. 3d. c.i.f., according to seller. There are, however, sellers at below these prices.

CASSIA is unchanged at 3s. 9d. per lb. on the spot for 80 to 85 per cent. c.a., and for shipment 3s. 3d. c.i.f. is quoted.

CITRONELLA.—Java is quoted at 2s. 5d. per lb. spot and 2s. 4d. c.i.f. Ceylon is unchanged at 2s. 3d. per lb. spot, and to arrive 1s. 9½d. c.i.f.

GERANIUM.—Spot stocks of Bourbon are restricted, and 17s. per lb. is asked. On c.i.f. terms there seems to be a reluctance on the part of producers and shippers to accept cabled bids; 16s. 3d. per lb. c.i.f. has been quoted. Algerian is unchanged but scarce at from 16s. to 16s. 6d. spot, and from 14s. 6d. to 15s. 9d. c.i.f. to arrive, but forward offers seem here to be indefinite.

GINGERGRASS is unchanged at 7s. 6d. per lb. spot, and to arrive 7s. c.i.f.

LAVENDER.—French 38-40 per cent. is quoted at from 10s. to 10s. 6d. per lb. spot.

As far as can be ascertained the next crop of French lavender in September promises to be favourable. There has been an abundance of rain conducive to the development of the lavender plants. Should hot weather now set in to encourage good flowering and weather conditions in general remain favourable for the distillation a plentiful crop might be expected. It is estimated that there are about 15 tons of oil in the hands of distillers. It is reported that large buying has taken place through some Grasse house wishing to take advantage of the present low prices, thus causing a firmer tone in the market. If these low prices still prevail when distillation begins it is probable that some producers will not distil this year owing to the remuneration being insufficient to cover the high cost of gathering the flowers, which has considerably increased during the last few years. This would probably cause higher prices at the end of the distillation.

LEMON.—Hand-pressed is quoted at from 4s. 6d. to 4s. 9d. per lb. spot, and to arrive at about 4s. 2d. c.i.f. Machine-made is 4s. 4½d. spot, and 4s. c.i.f. Some sellers would shade these prices, however.

LEMONGRASS is quoted at 2s. 6d. c.i.f., and 2s. 8d. per lb. spot.

ORANGE.—Sicilian sweet is 9s. 6d. per lb. spot and 9s. 4½d. c.i.f. Bitter is 8s. 10½d. spot and 8s. 9d. c.i.f.

PEPPERMINT.—Japanese dementhrolised is easier, Kobayashi-Suzuki offering at 4s. 9d. per lb. and five brands at 4s. 8d. on the spot. For shipment July-August there are sellers at 4s. 9d., and for October-December 4s. 10d. is quoted for K/S. A number of "bear" offers for shipment early in 1931 were current this week, but subsequently withdrawn. American natural tin oil is weak at from 12s. per lb. spot to 12s. 7d. according to brand, and to arrive 11s. 9d. to 12s. c.i.f. is quoted.

ROSE.—The French rose crop has terminated under satisfactory conditions, with the price of flowers fixed at 3.50 fr. per kilo. Oil of rose de Grasse is quoted on the spot at 90s. per oz.

SPEARMINT.—Prices at source show a tendency to ease with lack of demand and new crop prospects. On the spot, 19s. 3d. to 19s. 9d. is quoted according to seller.

WORMSEED (CHENOPODIUM) is unchanged at from 11s. 6d. to 12s. per lb. spot.

The following arrivals have taken place from the countries indicated during the period July 2 to July 8 (inclusive): Almond (Neth.) 1 cs.; anise (Ger.) 2 pkg., (Fr.) 16 cs., (Fr. Ind.-Ch.) 10 cs.; bergamot (It.) 156 cs., (U.S.) 2 cs.; cajeput (Neth.) 1 dm.; cananga (Java) 4 dm.; cassia (H.-K.) 40 cs.; citronella (Java) 8 dm.; clove (Ger.) 6 cs., (Mad.) 1 dm.; cubeb (Ger.) 1 cs.; lavender (Fr.) 5 cs., (It.) 4 cs.; lemon (It.) 135 cs., (Fr.) 2 cs.; lemongrass (Br. Ind.) 4 dm.; orange (It.) 2 cs., (Sp.) 2 dm.; patchouli (Sey.) 1 dm.; peppermint (Jap.) 30 cs.; rose (Fr.) 3 cs.; rosemary (Sp.) 1 dm.; sandalwood (Aust.) 66 cs.; sassafras (U.S.) 2 cs.; thyme (Egy.) 2 cs.; ylang-ylang (Fr.) 2 cs.; undescribed (It.) 15 cs.

Pharmaceutical Chemicals, etc.

GENERAL depression in these markets continues to be reported. Values show further declines in the cases of cream of tartar and benzoic acid, while thymol is unsettled. German milk-sugar is lower, makers actively competing. Convention values of chemicals are holding on quotation, but are being widely discounted for sales.

ACETANILIDE is unchanged on a slow market: B.P. crystals and powder, 1s. 4½d. to 1s. 6d. per lb. as to quantity.

APIOL is cheaper at 23s. per lb. from makers.

ASPIRIN is meeting with but a limited demand; quoted prices are unchanged, but the market is not firm: home trade, 2s. 9d. to 2s. 11d. per lb. as to quantity; export to Colonies and British Possessions, ten cwt., 2s. 8d. up to 2s. 9½d. per lb. for small parcels; export to other destinations, about 3d. per lb. more. Home and Continental sources quoting level throughout.

BARBITONE is steadier, and nothing is now offering under 7s. to 7s. 6d. per lb. as to quantity.

BENZALDEHYDE is unchanged on a slow market: quantities in carboys, about 2s. per lb.

BENZOIC ACID is easier as a result of competition between home sources: quantities ex works, 1s. 11d.; spot parcels, about 2s. per lb.

BENZONAPHTHOL is unchanged on a quiet market: spot, 2s. 10d. to 3s. per lb. as to quantity.

BROMIDES.—The position shows no material change; business is limited, while competition is noticeable: dealers quote

ammonium at about 1s. 9d.; potassium, B.P. crystals, 1s. 5d.; granular, about 1s. 5d.; sodium, B.P., about 1s. 8d. per lb. for fair quantities. Home makers' prices are competitive.

CALCIUM LACTATE continues to be offered on spot at 1s. 1½d. to 1s. 3d. per lb. as to quantity; business is limited.

CANTHARIDIN.—Makers have reduced their list price by 2s. per oz. to 68s. per oz.

CHLORAL HYDRATE is steady as quoted by home makers at 3s. 1d. to 3s. 3d. per lb. as to quantity; foreign on spot, 3s. 6d. per lb.; the price for the latter may be more competitive in the near future.

CHRYSAROBIN has eased to 10s. per lb.

CITRIC ACID (B.P. crystals).—Probably owing to the recent spell of hot weather the demand has been on a better scale and the market is at the moment steadier, with few holders willing to accept anything less than 1s. 6d. per lb., less 5 per cent., for good quantities of foreign. Home makers are reported to be fairly well sold. They quote 1s. 6d. per lb., less 5 per cent.

Sicilian exports of citrate of lime during 1929 aggregated 1,728,783 kilos, valued at 10,515,237 lire, compared with 647,029 kilos, valued at 4,174,007 lire in 1928. The following figures show the amounts, destinations, and values of shipments in 1929:—France, 703,607 kilos, valued at 4,258,841 lire; Great Britain, 1,019,786 kilos, worth 6,226,796 lire; and Spain, 5,390 kilos, having a value of 29,600 lire.

CREAM OF TARTAR.—The position is unsatisfactory, the market showing a heavy loss on the week, with the tone still weak; business has been a matter of negotiation where orders of any size were concerned; to-day the price would be about 90s. per cwt., less 2½ per cent., for foreign on spot, and quantities of two or three tons might be booked at even less.

CREOSOTE (B.P.) is unchanged on a dull market at 1s. 8d. to 1s. 9d. per lb. as to quantity.

CREOSOTE CARBONATE is offering on spot at about 5s. 9d. to 6s. 3d. per lb. as to quantity; sales have been poor.

EMETINE SALTS have been reduced by makers, who quote the pure alkaloid at 110s. per oz.; emetine bismuth iodide at 33s. 6d.; hydrobromide and hydrochloride at 66s. 6d. per oz.

GUAIACOL CARBONATE is quoted by dealers in the region of 4s. 4d. to 4s. 8d. per lb. without attracting much business.

HEXAMINE.—Business remains slow and limited in size, with sales prices at about 1s. 10½d. to 1s. 11½d. per lb. as to quantity; Convention prices are nominal from 2s. 2¾d. upwards.

HYDROQUINONE is steady and business is fairly good: Convention rates of 3s. 7½d. to 4s. 5d. per lb. as to quantity obtain.

LACTIC ACID (B.P.) is easy on spot at 1s. 11d. to 2s. per lb. for quantities in carboys, with jars one penny per lb. more.

METHYL SALICYLATE (B.P.) continues unchanged as quoted by makers and dealers at 1s. 3d. to 1s. 5d. per lb. as to quantity; business has been limited.

METHYL SULPHONAL remains slow; the market is easy at 12s. 7d. to 13s. 10d. per lb. as to quantity.

MILK SUGAR.—Keen competition for business exists among the German makers and business has been done at from 41s. to 42s. per cwt. for B.P.

PARAFORMALDEHYDE is unchanged on quotation on a keen market: 100 per cent. powder in quantities, 1s. 6¾d.; small lots, about 1s. 7d. per lb.

PARALDEHYDE is a slow item: quoted from 1s. 1d. to 1s. 3d. per lb. as to quantity and packing.

PHENACETIN.—Business continues on a small scale, while quoted prices are not easy to obtain: quoted from 3s. 8d. to 3s. 11d. per lb. as to quantity.

PHENAZONE remains subdued, with Convention prices inclined to be discounted in some quarters: quoted at 6s. 11d. to 7s. 3½d. per lb. as to quantity.

PHENOLPHTHALEIN continues fairly steady on spot at 6s. 11d. to 7s. 1½d. per lb. as to quantity; business is limited.

PILOCARPINE.—The pure alkaloid is 5s. per oz. cheaper at 20s. per oz. Hydrochloride and nitrate are 1s. per oz. cheaper at 3s. and 12s. per oz. respectively.

POTASSIUM PERMANGANATE (B.P.) is quiet, with prices for quantities in drums unchanged at 5½d. and druggists' parcels at 6d. per lb. ex store.

RESORCIN remains quiet: quoted on spot at about 2s. 11d. to 3s. 2d. per lb. as to quantity.

SACCHARIN.—Insoluble 550 is quoted at 43s. 6d. per lb. duty paid, soluble 500 being 2s. per lb. less.

SALICYLIC ACID (B.P.) is unchanged at makers' prices of 1s. 5d. to 1s. 8d. per lb. as to quantity.

SPARTEINE SULPHATE is quoted by makers at 2s. per oz.

SULPHONAL is easy at 10s. 1d. to 11s. 2d. per lb. as to quantity.

TANNIC ACID (B.P. leviss) is offering on spot in quantities at about 2s. 8d. in kegs; smaller lots about 3s. per lb.; market is quiet.

TARTARIO ACID (B.P. crystals).—The volume of business moving remains poor, while the market for foreign is about unchanged at 1s. 0½d. per lb., less 5 per cent. A shade less might be accepted in some quarters for large orders. English makers quote 1s. 0½d., less 5 per cent.

THYMOl.—Convention prices are nominal at 8s. 9d. to 9s. 8d. per lb. At the moment sales appear to be a matter of negotiation, with prices probably in the region of 8s. to 8s. 6d. per lb. for fair quantities.

Industrial Chemicals, etc.

London, July 9.

Two or three reductions in values are recorded this week. Potassium and sodium bichromates are cheaper for home trade; chlorates are also weak. Business generally continues on a very limited scale throughout.

ACETIC ACID is meeting with a moderate demand, with prices unchanged: 80 per cent. technical, £35 15s.; 80 per cent. pure, £37 per ton in barrels; glacial, pharmaceutical, 99 to 100 per cent., £66 in glass demijohns; glacial in barrels, £56 per ton ex store.

ACETONE continues at Convention prices, but the demand is of little account: B.G.S. in drums, £71 10s. to £80 per ton ex store or wharf.

AMMONIA (ANHYDROUS) is fairly bright so far as small spot business is concerned and prices are unchanged at 10d. to 1s. per lb. for 99.95 per cent. material in loaned cylinders, carriage paid.

AMMONIUM CHLORIDE shows little real activity: dealers are quoting grey galvanising at about £21 7s. 6d. per ton in casks, ex store; slightly less for contracts.

ARSENIO is, if anything, a shade easier as quoted at 1s. 15s. per ton for Cornish white powdered f.o.r. mines; business is slack.

COPPER SULPHATE.—The export trade has remained dull, although there is still a certain amount of material shipped against old contracts. Associated British makers ask about £24 10s. for casks, less 5 per cent., f.o.b. The market is out of season, but some of the makers are beginning to make provision for their requirements in rough bar copper for the next season.

EPSOM SALT is unchanged on a poor market: commercial quality in single bags, £4 5s. per ton ex store; slightly less for contracts.

FORMALDEHYDE continues very competitive and in slow demand; the market is easy for large quantities at about £31 per ton for 40 per cent. by volume in casks, ex store.

ISOPROPYL ALCOHOL meets with a moderate business, with prices for good quality at about 11s. to 12s. per gallon in drums, carriage paid; less for lower grades.

POTASH CAUSTIC continues to be quoted at Convention rates, with business of little account: 88 to 92 per cent. solid, on spot, £29 10s. to £34 10s. per ton in drums, ex store; 30s. per ton less c.i.f. in all cases.

POTASSIUM BICHROMATE for home trade is a shade easier at 4½d. per lb., carriage paid.

POTASSIUM CARBONATE remains subdued, while dealers' quoted prices are difficult to obtain: 90 to 92 per cent., £23 10s. to £24; 96 to 98 per cent., £25 10s. per ton in casks, ex store, and less for contracts.

POTASSIUM CHLORATE is easy on a dull market at £26 5s. per ton; small lots about 3½d. per lb., ex store.

POTASSIUM PERMANGANATE is steady on a slow market, with commercial quality in two-cwt. drums at 5d.; smaller parcels, 5½d. per lb., ex store.

POTASSIUM PRUSSIATE is in poor request: yellow, £63 10s. to £65 10s.; single casks, 7d.; smaller parcels, 7½d. per lb., ex store.

SAL AMMONIA is unsteady on a slow and competitive market: dog-tooth crystals, £32; medium, £28; fine white crystals, £17 12s. 6d. per ton in casks, ex store; slightly less for contracts.

SALTCAKE is meeting with a fair demand, with quoted prices in the region of 55s. to 60s. per ton in bulk, delivered.

SODIUM ACETATE continues dull and easy for quantities at about £20 per ton in casks, ex store.

SODIUM BICHROMATE is easier for home trade at about 3½d. per lb., carriage paid.

SODIUM CHLORATE is rather easier, with prices for fair-sized quantities at about £24 per ton; small parcels, about 3d. per lb., ex store.

SODIUM HYPOSULPHITE is fairly steady and business is moderate: dealers quote pea crystals in one-cwt. kegs about £15 per ton; commercial quality, £9 10s. in casks, ex store; makers' price for pea crystals to home consumers on contract, £15 per ton, carriage paid to buyer's station.

SODIUM PRUSSIATE is steady, although the demand remains poor: quantities, 4½d. to 5d.; smaller parcels, about 5½d. per lb., ex store.

SODIUM SULPHIDE is slow of sale: dealers offer 60 to 62 per cent. solid, £9 5s.; broken, £10 5s. per ton in drums, ex wharf.

COAL-TAR PRODUCTS, ETC.—In some directions a little better report is received this week and a few products are steadier. The volume of business, as a whole, is, however, still comparatively poor. ANILINE OIL is offering at about 8½d. per lb., packages extra, carriage paid; market is dull. ANILINE SALT is unchanged at about 8½d. per lb., packages extra, carriage paid. BETANAPHTHOL is a shade easier at about 9d. to 9½d. per lb., carriage paid; market is slow. CARBOLIC ACID CRYSTALS are perhaps a little steadier, while business, although still limited, has shown some signs of recovery: quoted at 7d. to 7½d. per lb., carriage paid, or f.o.b. in drums with overcasks; crude carbolic 60's, 2s. to 2s. 3d. per gallon naked at works. CREOSOTE OIL is meeting with occasional inquiry, with quoted prices unchanged at 4½d. to 4¾d. per gallon in bulk quantities, f.o.b.; home trade is in the region of 4d. per gallon, ex works. CRESYLIC ACID is still quiet, but there is no further change in values: pale 97 to 99 per cent., 1s. 10½d. to 2s.; refined, about 2s. 6d. to 2s. 8d.; dark 95 per cent., about 1s. 8d. per gallon. NAPHTHALENE is dull and easy at £14 12s. 6d. to £14 10s. per ton for flakes and balls in cases, ex wharf. METHYL ALCOHOL is irregular on a keen market in the region of £41 per ton in drums, ex store. PYRIDINE is nominal on a neglected market at 4s. to 4s. 6d. per gallon, f.o.b. TOLUOL is steady, with some business about: commercial 90's, 1s. 10d.; pure, 2s. 2d. per gallon, ex works. XYLOL remains slow of sale: commercial, 1s. 10d.; pure, about 2s. 1d. per gallon, ex works. PITCH is nominal, with the market practically lifeless except for isolated inquiry for next season: quoted at 47s. 6d. per ton, f.o.b. East Coast.

Fixed Oils, etc.

ALTERATIONS in this section are mostly limited to a few changes in prices. Coconut, cotton oils, etc., show a slight improvement, while linseed oil and American turpentine show a loss on the week. ACID OILS are dull and irregular; coconut and/or palm kernel, 30s.; groundnut, 25s.; soya, 21s. 6d. spot. CASTOR.—Quoted values are unchanged on a dull market: pharmaceutical, 44s. 6d.; first pressings, 39s. 6d.; second pressings, 37s. per cwt. in barrels, in not less than one-ton lots. COCONUT.—The market is steadier; deodorised, spot, 39s. 9d.; Ceylon, 30s. 6d. c.i.f. CORTON.—Values are about unchanged on a poor market; deodorised, 36s. 6d.; common edible, 34s. 6d.; soapmaking, 32s. 3d.; crude, 29s. 6d. spot. GROUNDNUT is steadier but still quiet; deodorised, spot, 39s. 9d.; crude Oriental, c.i.f., 33s. PALM KERNEL remains dull and is slightly easier; deodorised, 38s.; crude, 32s. spot. PALM.—With values for some grades slightly easier on the week the market is now steadier, and business is a little better; Lagos, 22s. 6d.; softs, 22s.; mediums, 23s.; hards, 23s. 9d.; bleached, 25s. 6d. spot. RAPE is quiet and easier; refined, 38s. 3d.; crude, 36s. 9d. spot. SOYA is slightly easier on a dull market; deodorised, 34s. 9d.; crude, 28s. 6d. spot. LINSEED (raw, naked).—Values for all positions are much easier this week, and the market is still unsteady. On spot, 37s. 6d.; July, 35s. 3d.; July-August, 32s. 10½d.; September-December, 32s.; January-April, 30s.; boiled oil, on spot, 42s. 3d. TURPENTINE.—The market has been affected by weak American advices attributed to a considerable increase in domestic stocks, and there were rather sharp fluctuations at Savannah, where the market recovered from the worst. The spot demand here was only moderate, and the market closed dull and easy at 37s. 5d. for spot, 37s. for August, and 37s. 9d. for September-December. Last week's deliveries were 1,871 barrels, making a total since January 1 of 52,775 barrels compared with 51,930 barrels for the same period last year. Stocks were returned at 7,998 barrels, which to-

gether with the landings and afloats made the London visible supply 19,849 barrels against 18,275 barrels at the same date last year. RESIN.—The market was unsettled despite attempts made in America to stabilise the market. Prices there fell below \$5 for medium grades, while American stocks increased further. Prices here were naturally affected, and c.i.f. terms were as follows:—American B/D, 12s. 6d. to 12s. 9d.; E, 13s.; F/K, 13s. 1½d.; M/N, 13s. 4½d. to 14s. 3d.; W/G, 15s.; and W/W, 17s. per cwt. WOOD.—Hankow in barrels on spot is offering at about 50s.; market is dull.

LUBRICATING, MINERAL, BURNING OILS, ETC.—A continuance of depressed markets is reported with quoted values in most instances easy. BENZOL and solvent naphtha 90 to 160 are the two good markets. BENZOL is steady with a fair business moving; standard motor 90's, country, 1s. 5d. to 1s. 5½d.; London, 1s. 7d. per gallon, ex works, in tank wagons. FUEL OIL is dull with quoted values unchanged; 950 gravity, £3 5s.; 890 gravity, £3 17s. 6d. per ton, ex tank; slightly cheaper forward. PARAFFIN OILS are steady but slow of sale; American standard white, 1s.; water white, 1s. 1d. per gallon, barrels free, ex wharf. PARAFFIN WAX AND SCALE.—Wax is inclined to be easy as quoted at 1½d. to 4½d. per lb., according to melting point, in bags, ex store; scale is quoted for shipment at about £12 5s. per ton, c.i.f. WHITE OILS are dull and easy as quoted. Special No. 1, £24 7s. 6d.; No. 1, £23 7s. 6d.; No. 3 half-white, £20 7s. 6d.; No. 4 half-white, £18 7s. 6d. per ton, drums and barrels free, ex wharf. SOLVENT NAPHTHAS.—There is a fair demand for 90 to 160 at about 1s. 2d. per gallon, naked at works. Heavy 90 to 190 remains dull; quoted at about 1s. per gallon, naked at works. PETROLEUM JELLIES are quiet and easy as quoted; white to snow white, £36 10s. to £46 10s.; amber and yellow, £18 10s. to £22; dark stiff green, £11 5s. per ton, barrels free, ex wharf. LUBRICATING OILS.—Business remains poor while the market is by no means steady. On spot, pales, £9 12s. 6d. to £21; reds, £11 to £21; dark cylinders, £12 to £30; filtered cylinders, £21 to £31 10s. per ton, less 2½ per cent.

English Herb Crops

Potter & Clarke, Ltd., write that owing to the absence of night frosts in May there is every prospect of abundant crops. AGRIMONY, BORAGE, COMFREY, MELISSA, PEPPERMINT and RUE are above the average. POPPY HEADS are growing on stalks of "record" height, and a crop of FENNEL herb is standing nearly six feet high. LACTUCA VIROSA.—The supply now exceeds the demand. DIGITALIS and BELLADONNA have done badly with us this year—the latter has almost disappeared. STRAMONIUM.—An experimental crop in 1929 gave 0.35 non-volatile alkaloids, compared with 0.29 Italian and 0.26 Hungarian. If the crop this year proves equally satisfactory we propose increasing the area, although the low price of foreign-grown and doubtful average yield in England does not promise much financial remuneration. Fresh supplies of Continental seed are necessary each year to maintain the vigour of the plants. CULINARY HERBS.—Sage and mint are good. Parsley is abundant—the English crop will probably eliminate the sale of foreign grown. The French crop this year is reported a failure. Thyme and marjoram are good crops, but growers complain of unremunerative prices. Unless these can be sold at a price not exceeding 50 per cent. more than the foreign article the demand is likely to be negligible.

Stafford Allen & Sons, Ltd., write as follows:—BELLADONNA.—This should be a good average crop; the mild winter was distinctly helpful and our plantations are looking very well. HENBANE.—The second-year plants have grown well and a good collection of flowering tops and leaves has been made. The first-year plantations are also looking well, and provided weather conditions are suitable there will be a good picking of first-year leaf in the autumn. DIGITALIS.—The mild winter has also helped the second-year plants here, and a very good picking of leaf has, so far, resulted. Our plantations have been increased to meet the demand for high-testing leaf. The first-year plants of this crop are also looking very well. LAVENDER.—The crop is in excellent condition and promises well, the warm weather of the last few weeks having brought the flowering spikes along well. PEPPERMINT.—The prospects are not too promising here; the crop is always a rather uncertain one, and the plantations now are badly wanting rain. DILL.—We shall have a fair average crop; flowering is rather more forward than usual for this time of year. CHAMOMILE.—The crop is growing well, but it is beginning to want rain; we hope to get a good yield of oil. ROSEMARY.—This small article keeps up to normal. ACONITE.—There will be an average crop. VALERIAN.—This also will probably be about an average crop.



Letters for this section should be written on one side of the paper only. Correspondents may adopt an assumed name for purposes of publication, but must in all cases furnish their real name and address to the Editor.

A Dispensing Complaint

SIR.—A prescription from Harley Street, London, was handed to us for "Tab. menthol gr. j., B. W. & Co. Mitte 50." On referring to the makers' price list, we found $\frac{1}{4}$ -grain strength only listed; and on asking the representative of that firm, who chanced to be present, he said that $\frac{1}{4}$ -grain was the only strength they made. The prescription had been originally dispensed in London, but no indication was given on it by the dispenser as to what strength or whose make was dispensed. Was that fair? It is known to be not uncommon for doctors to confuse the preparations of one leading manufacturing house with those of others.

Yours, etc.,

SCOTS (7/7).

[Our correspondents are the proprietors of a well-known business in Scotland.—EDITOR.]

Gambling in Proprietaries

SIR.—In the article on "Some Early Press Advertisements" (C. & D., June 28, p. 833) we read of many patent medicines which evidently sold well during their day; but with the exception of a few, they have never been heard of by the ordinary retail chemist of to-day. It is possible that the C. & D. of 2030 will give illustrations of advertisements appearing now, and the proprietaries which we sell will seem equally curious and grotesque to the pharmacist of that date. But reading this article took my mind back to some correspondence which appeared in your columns a little while ago, in which a traveller regretted that chemists were usually unwilling to place an order for a new line, while, on the other hand, he stated, the stores were always ready to do so; and this question of survival of remedies led me to consider whether there was any ground for the accusation that the private chemist was wanting in enterprise. As a chemist in a small way this is how it appears to me. Hardly a week goes by without some representative offering an entirely new pack, which is, according to him, going to sell better than any other line, be a constant repeater, and what about a gross of the 3s. size for an initial order? Whenever I hear that sort of sales talk I am practically decided at once not to invest; for immediately my thoughts go back to the years when money was more plentiful, and I always feel that I should like to take that traveller round the stock and show him the relics of lines which were going to be just as wonderful as his and came to nothing, or at the most amounted to an odd sale occasionally. In nine cases out of ten, out of an initial £5 order the ordinary chemist will sell perhaps a fifth from a full window display; but as he cannot afford to devote his window indefinitely to one line, the result is that after the first spasm the rest remains on hand until it is looked on as dead stock. After a few experiences such as that the small man adopts caution. In the tenth case it might be a good deal; but the man with limited capital cannot tell beforehand which it is, and to speculate on all of them is about as sensible as trying to back the winner. One is naturally curious to know what happens to the big stores, which, we are asked to believe, take up every line which is brought out. Is it possible that the same manufacturers who think the individual proprietor unenterprising because he will not order a parcel are quite willing to deposit stocks in the stores on the "pay when sold" basis, in order to be able to advertise "at all branches of . . ."?—Faithfully yours,

PAGARE (8/7).

Policy in Publicity

SIR.—It fell to my lot a few months ago to use the obituary columns of two local papers, and I was rather surprised at the results. Almost before the funeral a tout for a firm of "memorial sculptors" was on my doorstep, and three separate catalogues dealing with the same class of work came through my letter-box. As it turned out, we chose eventually another firm. A rather amusing incident was the receipt of a demand for my attendance as a juror at some forthcoming sessions, under penalty in default. As it happens that I am exempt on two or three quite sufficient grounds (I have never in my life been on a jury), I did not worry over the matter. As your correspondent "Nuova" (C. & D., July 5, p. 29) suggests, notice taken for business purposes of births advertised has doubtful value. I know one man who used to follow these up, but soon dropped it. Any pharmacist who shows himself so anxious to get new business in this way has only himself to blame if he gets a bad debt left on his books.—Yours, etc.,

LOOKER-ON (7/7).

SIR.—"Nuova" raises the question of supplying factor proprietors with the Home Office cabinets. Although it is now too late for action beyond selling the smallest-size cabinet to new garages, I would like to add my criticism. When the Act applying to factories and workshops first came into force, I ordered sample cases, intending to call upon all the likely people in my district. I was kept waiting a considerable time by the manufacturers of them; and in the meantime Messrs. Boots had been round and the secretary of the Bakers' Association had sold to all the bakers (but minus the cocaine eye drops, and I believe the cabinets are still without cocaine). However, the makers sent me a good supply of leaflets, which I sent with a personal letter; I was successful in selling quite a few, and now hold a comprehensive stock of refills, which are constantly required. There is a firm of manufacturers who sold these cabinets direct to the factories, and now expect chemists to do business with them. I have given one instance of manufacturers being slow in helping retailers, and will give another—the Coal Mines Regulations making it compulsory for mines to have cabinets. Two months before these Regulations came into force I got in touch with a manufacturer's house, and they confessed they knew nothing about the Regulations—but they certainly got to know. Eventually I found out that the collieries had been quoted 5s. 6d. each for a very strong case fitted up with necessary dressings. I was offered the order for fifty, and could have got a much bigger order from another colliery if I could have supplied as good a case at the same price or a little more. Two manufacturers quoted me both considerably more. I submitted their prices, not putting on any profit (thinking of the future supply of the dressings), and lost the order. I had to admit that the articles I offered were not as good, besides being dearer. Trade is admittedly bad; and yet when business is pushed at us it is lost for want of enterprise on the part of manufacturers. With regard to first-aid boxes for motorists and cycling associations, I consider that the boxes we are offered are too dear. My experience of photographic societies is that they are more "humbug" than they are worth. The members want out-of-the-ordinary things in small quantities and at wholesale rates, and if one is not careful bad stock ensues. The only way to follow up birth announcements seems to be to send a small present, such as a baby's hair brush, but with the clinics having such a hold, it is doubtful whether such a method is productive, and as much good can be done by judicious inquiry as to the child's progress. Maternity outfits are not sold, because they are not stocked, and, again, drapers sell them more cheaply. Manufacturers may be excused because so few chemists try to do any business in the lines criticised, and consequently small sales cause high prices and lack of interest.

Yours faithfully,

MIDLANDER (8/7).

Dispensing Notes and Difficulties

Iodine Incompatibility

SIR.—What is formed in the following mixture? It becomes almost colourless in about an hour.

Tinct. iodi ...	... ...	m. iij.
Sod. salicyl. ...	... ...	gr. x.
Aq. menth. pip. ...	ad	3j.

Yours faithfully,

PYRO (23/6).

[Iodine is incompatible with salicylic acid and with sodium salicylate, and, it is stated, will slowly decolorise when mixed with either. In our samples some colour remains after several days. Mono-, di-, and tri-iodo-salicylic acid and tri-iodo-phenol are formed.]

Change of Colour

SIR.—We have made up the following prescription for a lady several times, and it results in a mixture of a cloudy red colour (perhaps a bluey-red would more correctly describe it). The lady has also had it made up at two other places, where it was of a red colour. They explained this to her by saying that the previous mixtures (ours) were probably made with old ingredients. This was not the case. We used B.P.C. syr. glycerophos. co.

Luminal sodium ...	... ...	gr. ss.
Spt. amm. aromat. ...	... ...	m. xv.
Syr. glycerophos. co. ...	... ...	3j.
Aq. chlorof. ...	ad	3ss.

Yours faithfully,

C. & S. (14/6).

[The syrup. glycerophos. comp. in the prescription in question should be B.P.C. This syrup is coloured with tincture of cudbear. Cudbear imparts a rich red colour to acid and neutral mixtures, but changes to purplish-red with alkalis. The amount of spirit. ammon. aromat. renders the slightly acid syrup alkaline. It is an unfortunate and unnecessary addition, but must be dispensed as ordered. If compound syrup of glycerophosphates made according to Dr. Robin's formula is used, the finished mixture will be red. Robin's syrup is coloured with syrup of cherries and tincture of kola, and unless specifically ordered by the physician should not be dispensed.]

Legal Queries

R. T. (6/6).—The formula, as well as the words disclaiming proprietary rights, must appear not only on the label itself, but also on the outside of the package; that is, on the carton or wrapper, as the case may be.

E. J. (26/5) asks if a preparation described as a "Blood Wine prepared according to the B.P." and which consists of an orange wine with ferri et ammon. cit. can be stocked and sold by grocers without a wine licence? [We think that in view of the recent decision of the High Court in the Brighton case a grocer who sold this wine without holding a wine licence would run grave risk of being prosecuted by the police.]

G. B. S. (17/6) entered the employ of a chemist under a verbal agreement. In January last, the chemist paid "G. B. S.'s" subscription to a society for the year, which he had previously agreed to do. The engagement has now come to an end, and in paying "G. B. S." his salary the chemist has deducted the proportion of the subscription up to the end of the year. Was he entitled to do this? The chemist states that it was agreed that such a deduction should be made in the event of "G. B. S.'s" leaving; but this is denied by "G. B. S." [In our view, the deduction was reasonable, and would probably be upheld by the Court unless it was expressly agreed that no such deduction should be made, which, apparently, was not the case.]

Miscellaneous Inquiries

When samples are sent particulars should be supplied to us as to their origin, what they are, what they are used for, and how. We do not undertake to analyse and report upon proprietary articles nor to publish supposed formulas for them.

Warwick (20/6).—A reply to your inquiry sent to the address given in your letter has been returned marked "not known."

W. S. (23/86).—BATTERY ACID.—The "20 Baumé" refers to the specific gravity as measured on the Baumé hydrometer, and for the purpose of battery acid may be regarded as 1.160. The Baumé hydrometer is largely used in the United States and Germany. The subject was dealt with in the C. & D. Commercial Compendium.

G. N. (24/68).—The specimens of wild flowers from the Sussex Downs are as follows:—The plant with rough red spotted stem is *Echium vulgare*, Linn., N.O. Boraginaceæ, commonly called Viper's Bugloss. The plant is of interest and differs in having irregular flowers, the majority of the British Boraginaceæ having regular rotate flowers. The red spots are the bases of white bulbous hairs. In *Echium vulgare* the corolla is tubular and irregular, and the filaments of the stamens are unequal, but very long and exserted. The style is bifid. The beginner may therefore be excused for not recognising that it belongs to the Boraginaceæ. The characters that would indicate it would be the alternate hairy leaves and the fruit consisting of four half carpels resembling seeds, properly called pyrenes, but sometimes described as "nuts." A nut, however, consists of three or more carpels run into one, and containing one seed, like the acorn, the hazel and the coconut. Unfortunately, the term pyrene is sometimes applied to the single hard endocarp of a drupe, which is more usually known as a stone. The pyrene or "seed" of Viper's Bugloss was according to the Doctrine of Signatures supposed to resemble the head of a viper, and therefore to cure the bite of that reptile. Dioscorides claimed that anyone who had taken the herb before being bitten would not be hurt by the poison of any serpent. The same belief seems to be held in France, where the plant is called Viperine, and in Italy, where it is known as Viperina.—The orchis sent is the bee orchis, *Ophrys apifera*, Hud., so called from the fancied resemblance of the flower to a bee.—The red flower is a garden escape, a red-flowered aquilegia (N.O. Ranunculaceæ), in which the stamens have been turned to petals and the petals are not spurred, a double-flowered form.

Retrospect of Fifty Years Ago

Reprinted from
"The Chemist and Druggist," July 15, 1880

General Medical Council

Among the free entertainments which a beneficent Government has bestowed on the idle Londoner, not the least interesting is a debate of the Medical Council when that eminent body is in session. It is desirable, of course, that the aforesaid idler should have some preliminary acquaintance with medical affairs, but this is by no means essential, for the debaters are quite willing to roam over the wide expanse of all discussible subjects, and probably would enlarge the range of their vision considerably if an interested public could be secured. Among the 24 gentlemen who form that Council there are several of unquestionable eloquence, and two or three recognised humorists. It is quite unnecessary to add that all are men of distinguished ability. . . . Above the Councillors is a small gallery capable of holding some 20 visitors, and generally 20 times larger than is necessary.



[Commenced C. & D. July 5, 1924]

Sodium Hypophosphite.—Hypophosphites are usually prepared by heating phosphorus with aqueous solutions of metallic hydroxides. For the sodium salt, when required for pharmaceutical purposes, this method is unsuitable, since the hypophosphite formed is partly oxidised to phosphite. It is therefore obtained by the double decomposition of sodium carbonate and calcium hypophosphite, which may be obtained as above. The calcium carbonate is filtered off, and the filtrate evaporates at a low temperature. A granular product is obtained by stirring during the later stages of evaporation. The salt is represented in many foreign pharmacopoeias by the monohydrate ($\text{NaH}_2\text{PO}_2\text{H}_2\text{O}$), but the B.P. 1914 requires that the loss of weight when it is dried at 110° shall not exceed 2 per cent. It occurs as small colourless rectangular plates, or as a white granular powder, and is deliquescent. It is soluble in water 1 in 1, and in alcohol 1 in 30; the aqueous solution absorbs oxygen from the air, forming the phosphite. The salt is decomposed when heated, with loss of phosphine and formation of meta- and pyro-phosphate. It explodes when heated or rubbed with oxidising agents. Metallic gold and silver are precipitated from solutions of their salts by sodium hypophosphite, while from a solution of copper salt, the hydride, Cu_2H_2 , is precipitated. Sodium hypophosphite is administered, often in conjunction with the hypophosphites of iron and calcium, for the supposed nutritive value of its phosphorus content, particularly in tuberculosis. There is, however, no evidence that the hypophosphorous acid ion can exert any physiological effect.

Sodium Iodide is obtained by a method similar to that used in the manufacture of sodium bromide. It can also be obtained by the direct combination of iron and iodine in the presence of water, and subsequent decomposition of the ferroso-ferric iodide formed, with sodium hydroxide. The solution should be evaporated at a temperature above 65° , in order to obtain the anhydrous salt which is official in the B.P. 1914; below this temperature the salt is liable to crystallise with two molecules of water. Sodium iodide occurs as colourless cubical crystals, or as white crystalline hexagonal plates, with a saline bitter taste. It is very soluble in water, 3 in 2 at 15° , and 3 in 1 at 100° ; it is also soluble in alcohol, about 1 in 2. The aqueous solution is slightly alkaline and decomposes slowly on exposure to light with liberation of iodine. The salt is very deliquescent and decomposes similarly if exposed to moist air. It melts at 650° , with slight decomposition, and at a higher temperature can be volatilised. Sodium iodide is used for precipitating silver and gold from weak copper ores. Medicinally its properties closely resemble those of potassium iodide, but it is stated to be less irritating to the stomach and less depressing to the heart. It is incompatible with alkaloids, with salts of ferric iron and bismuth, and also with spt. ether. nit., except in the presence of excess of alkali.

Sodium Metabisulphite, $\text{Na}_2\text{S}_2\text{O}_5$, is prepared by prolonged treatment of sodium carbonate solution with sulphur dioxide, and separates in anhydrous crystals when the resulting solution is cooled. It should be stored in well-closed containers, as it oxidises slowly in air, with loss of sulphur dioxide. Heated to 80° it is decomposed into sodium sulphite and sulphur dioxide, and at higher temperatures sodium sulphate is formed. It is used in the preparation of acid fixing baths in photography, but the potassium salt is usually preferred.

Sodium Morrhuate.—This substance was introduced by Rogers for the treatment of phthisis, following on successful results obtained in the treatment of leprosy by means of sodium chaulmoograte. The action of these substances is supposed to be due to their capacity for attacking the waxy coating of the acid-fast bacilli responsible for the diseases. Sodium morrhuate is obtained from cod-liver oil by heating with caustic soda solution and alcohol under a reflux condenser. The product is neutralised exactly, evaporated to dryness, and extracted with ether. The ether is distilled off, the acids precipitated by sulphuric acid, well washed, and exactly neutralised with alcoholic sodium hydroxide. The alcohol is then distilled off to obtain the sodium morrhuate. The substance is administered by hypodermic injection in 3 per cent. solution, gradually increasing the dose from $\frac{1}{2}$ to 2 mils., and then intravenously up to 4 mils. More recently, the substance has been tried, with successful results, for the injection treatment of varicose veins. For this purpose 5 per cent. or, very rarely, 10 per cent. solutions are employed.

Sodium Nitrite occurs in small quantities in Chili salt-petre. It is manufactured by heating the nitrate with good quality sheet lead, and extracting the cooled melt with water. A large proportion of the sodium nitrite supply is now obtained as a by-product of various processes for the fixation of atmospheric nitrogen, the nitrous fumes being absorbed in dilute sodium hydroxide solution, which is then crystallised. Sodium nitrite separates from its aqueous solution in rhombic crystals, which usually have a yellow tinge. It is odourless, has a saline taste, and is very deliquescent. It also occurs in commerce as fused sticks having a crystalline fracture. Solubility, in cold water 1 in $1\frac{1}{2}$, and in alcohol 1 in 50. On heating, sodium nitrite melts at about 270° and at higher temperatures it is decomposed with evolution of nitrogen peroxide. It is used extensively for diazotising in the manufacture of azo- and other dyestuffs. Medicinally it is given as a vaso-dilator, its effect being more prolonged, but less readily established than that of nitroglycerin. It is used particularly in angina pectoris and to lower the blood pressure. It is incompatible with all oxidising agents and also with acetanilide and phenazone. The maximum pharmacopoeial dose is 2 grains, but a gradual increase to a dose of five or more grains is not unusual. It should always be well diluted, as it is liable to derange the stomach. A di-sodium nitrite, Na_2NO_2 , is also known; it separates in yellow crystals, when molecular proportions of sodium and sodium nitrite are mixed in anhydrous liquid ammonia solution.

Sodium Nucleinate.—Two kinds of nucleinic acids are known and are named after the source from which they are usually prepared, yeast nucleinic acid and thymus nucleinic acid. That from yeast is the more common. Washed and defatted brewers' yeast is warmed with dilute sodium hydroxide, which splits it into a protein and nucleinic acid. The former is filtered off and the latter is precipitated from the filtrate by means of acetic acid. It is purified by repeated solution and re-precipitation, the final precipitations being effected by means of excess of 95 per cent. alcohol. The sodium salt is obtained from the acid by neutralisation with sodium carbonate. It occurs as a greyish- or yellowish-white powder, readily soluble in water and having a very complex constitution. One of the latest formulas for the free acid is $\text{C}_{38}\text{H}_{40}\text{O}_{29}\text{N}_{15}\text{P}_4$. Sodium nucleinate is usually administered by intramuscular injection of 1-2 c.c. of a 5 per cent. solution in normal saline. It is of value in leucocytosis, in anaemia and tuberculosis, and as a general tonic in many bacterial injections. The name is sometimes abbreviated to "sodium nucleate."

Sodium Perborate, $\text{NaBO}_3 \cdot 4\text{H}_2\text{O}$, must be distinguished from sodium borate, or borax ($\text{Na}_2\text{B}_4\text{O}_7$). It is prepared from borax, sodium hydroxide and hydrogen peroxide, which are mixed in warm aqueous solution. The operation is conducted in small wooden vats in order to avoid decomposition of hydrogen peroxide, and

The C&D Commercial Compendium

the separate batches are united and cooled, when the perborate separates out in transparent monoclinic prisms. The substance can also be obtained by the electrolysis of a solution of borax and sodium carbonate or hydroxide. Sodium perborate is soluble in cold water, about 1 in 40, giving an alkaline solution having the properties of a mixture of borax and hydrogen peroxide, and owing to the instability of hydrogen peroxide in the presence of an alkali, the solution decomposes slowly on standing, rapidly on heating, with evolution of oxygen. It was official in the U.S.P. IX, where it was required to contain not less than 9 per cent. of available oxygen, but was omitted from the subsequent edition. It is used for all purposes where an alkaline oxidising agent is required, such as in laundries for bleaching, in the preparation of deodorants and germicides depending for their action on oxygen, in dentifrices, and as an ingredient in many laundry soap and washing powders. It is rarely employed medicinally, but can be used as an antiseptic dusting powder or lotion for wounds or ulcers.

Sodium Peroxide., Na_2O_2 , is obtained by heating metallic sodium at 300° on aluminium trays in a current of air free from carbon dioxide. The commercial product is usually of a yellowish colour, owing to the presence of iron. It is very hygroscopic, forming in moist air, the hydrate, $\text{Na}_2\text{O}_{2} \cdot 8\text{H}_2\text{O}$. It also absorbs carbon dioxide, giving sodium carbonate with evolution of oxygen. When heated alone, sodium peroxide darkens in colour, but is not decomposed, and the original colour is restored on cooling. In the presence of other substances it readily gives up oxygen, and readily attacks many organic substances and most metals. Insoluble minerals when fused with sodium peroxide are oxidised and rendered soluble. It dissolves in water with considerable rise of temperature and decomposition into sodium hydroxide, and hydrogen peroxide, from which oxygen is evolved, slowly if ice-cold, rapidly if the temperature be allowed to rise. Owing to its oxidising properties it is used as a bleaching agent for materials, which are not injured by the causticity of the sodium hydroxide formed by its decomposition. This drawback is sometimes overcome by admixture with magnesium sulphate, whereby non-caustic magnesium hydroxide is formed in the presence of water. Sodium peroxide is seldom used in medicine; an ointment, 20 per cent. in soft paraffin, has been used for acne.

Sodium Phosphates.—The three sodium phosphates used medicinally are the salts of orthophosphoric acid, H_3PO_4 . They may be distinguished chemically from the salts of other phosphoric acids by the fact that they give a yellow precipitate with silver nitrate, and do not precipitate albumen. Sodium phosphate of the B.P. 1914 is the di-sodium hydrogen salt, Na_2HPO_4 . It was first found in urine, and was formerly prepared from this source. It is now obtained from bone ash, from which calcium hydrogen phosphate is obtained by treatment with sulphuric acid. This salt is treated with sodium carbonate, the precipitated calcium carbonate is filtered off, and the solution evaporated. Sodium phosphate separates in large colourless monoclinic prisms with 12 molecules of water. It effloresces on exposure, the crystals acquiring an opaque covering of $\text{Na}_2\text{HPO}_4 \cdot 7\text{H}_2\text{O}$; the anhydrous form is obtained by heating the crystals at 95° to 110°. Sodium phosphate is insoluble in alcohol, but is soluble in water 1 in 7, giving an alkaline solution. It is administered as a saline cathartic, and, owing to its slight taste, is particularly suited to a patient having a delicate stomach. Sodium acid phosphate ($\text{NaH}_2\text{PO}_4 \cdot 2\text{H}_2\text{O}$) is prepared from this compound by adding phosphoric acid to the aqueous solution until the liquid ceases to give a precipitate with barium chloride, and allowing the solution to crystallise. It occurs as colourless and odourless, slightly deliquescent granular crystals. The B.P. 1914 requires a minimum content of 70 per cent., NaH_2PO_4 , the theoretical per-

centage in the crystalline salt being about 77. It is soluble in water about 1 in 1, giving an acid solution. Acid sodium phosphate is administered internally to render the urine acid, particularly when hexamine is being given as a urinary antiseptic, since this substance is hydrolysed in acid mediums with production of formaldehyde. It is given in large doses, up to 2 oz. per day, well diluted to dissolve calcium oxalate stones. It increases the energy output, and on this account is stated to have been administered as a stimulant to German workers during the Great War. Tribasic sodium phosphate, $\text{Na}_3\text{PO}_4 \cdot 12\text{H}_2\text{O}$, can be obtained by crystallising a solution of equimolecular proportions of sodium phosphate and sodium hydroxide. It is rarely used in medicine, but has been employed as a water softener.

Sodium Potassium Tartrate. — Sodium potassium tartrate, $\text{C}_4\text{H}_4\text{O}_6\text{NaK} \cdot 4\text{H}_2\text{O}$, known also as Rochelle salt, is prepared by neutralising acid potassium tartrate with sodium carbonate, and recrystallising. It is soluble in 1.5 parts of water, from which it separates its rhombic prisms; it is insoluble in alcohol. Rochelle salt is colourless and odourless, and possesses a cooling saline taste. On heating it melts at 74° C., and at higher temperatures it is charred and decomposed, leaving finally a mixture of the carbonates of sodium and potassium. The pharmacopoeial method of assay is based on this. The crystals effloresce slightly in dry air. The aqueous solution is incompatible with acids, which give a precipitate of the sparingly soluble acid potassium tartrate. The salt is used principally as a mild saline purgative. Since it is not unpalatable it is well suited to delicate stomachs, and is administered chiefly in the form of selditz powders. Rochelle salt is sometimes known as Seignette's salt, from the name of its discoverer, a native of Rochelle, in 1672.

Sodium Salicylate., $\text{C}_6\text{H}_5\text{OH.COONa}$, is obtainable in two grades, "natural" and "synthetic." The former is obtained by the hydrolysis of natural oil of wintergreen; the synthetic variety is manufactured from phenol (see Salicylic Acid). The latter can now be made quite free from the toxic impurities which artificial salicylates were formerly liable to contain, and the prejudice in favour of the "natural" compound is now practically obsolete. It occurs in the form of white, pearly flakes, or as a white amorphous powder; the "natural" salt usually has a pinkish tinge, and may have a faint odour of methyl salicylate. Sodium salicylate is readily soluble in water, 1 in 1; the concentrated solution deposits crystals of the hydrated salt, $\text{NaC}_6\text{H}_5\text{O}_3 \cdot 6\text{H}_2\text{O}$. On strongly heating, the salt is decomposed with evolution of phenol; the residue consists of sodium carbonate, and this decomposition is the basis of the method of assay of the B.P. 1914. Given internally it greatly increases the excretion of uric acid, and is the most extensively used salicylate for the treatment of acute rheumatism. Large doses are occasionally employed, more than half-an-ounce being administered during twenty-four hours; these large doses are best combined with large doses of sodium bicarbonate, but toxic symptoms usually occur, such as headache, erythema, noises in the ears, and unconsciousness. The drug has also an antipyretic action and is given to reduce temperature in influenza and other fevers. The aqueous solution gradually darkens in the presence of alkalies, but the change is very slow, with pure samples; it can be completely prevented by the addition of a trace of sodium thiosulphite or bisulphite. It is incompatible with acids and acid salts, and yields precipitates with most alkaloids. Iron salts give an intense purple colouration; with spt. eth. nit. a reddish-brown coloration is produced. Sterilised solutions are used in the injection treatment of varicose veins; a commonly used technique is to commence with 10 c.c. of a 20 per cent. solution, followed, after a week's interval, with a similar quantity of a 30 per cent. solution, and, if necessary, after another interval, a 40 per cent. solution.

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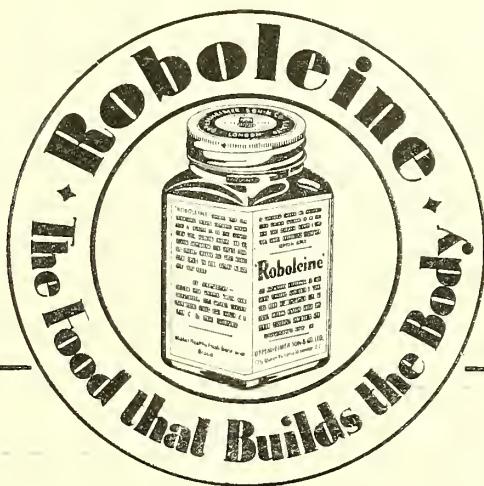
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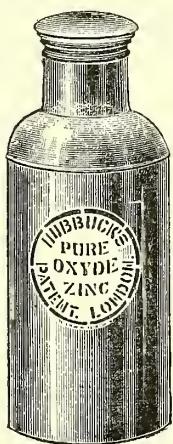
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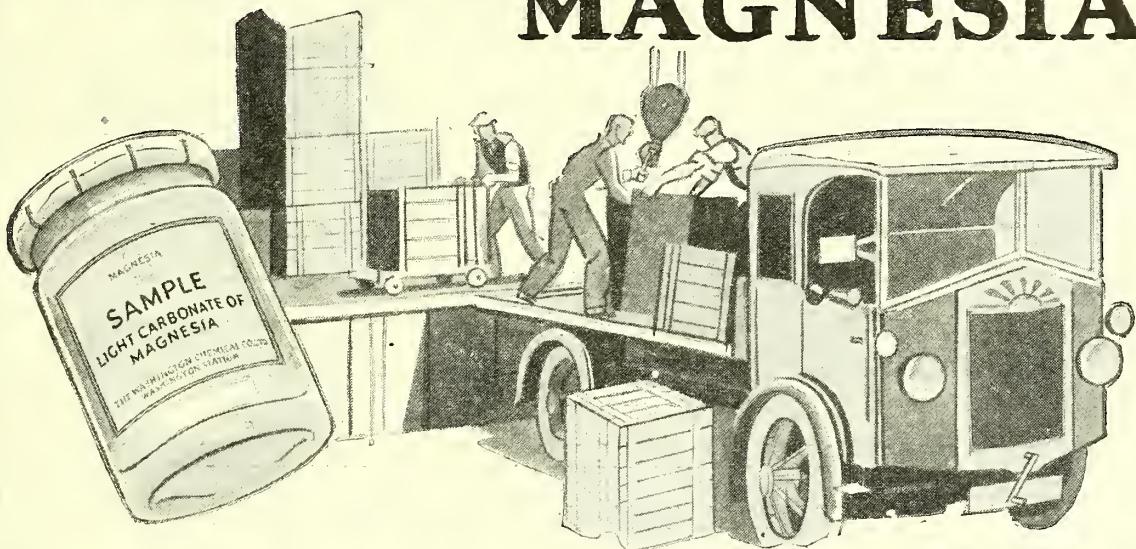
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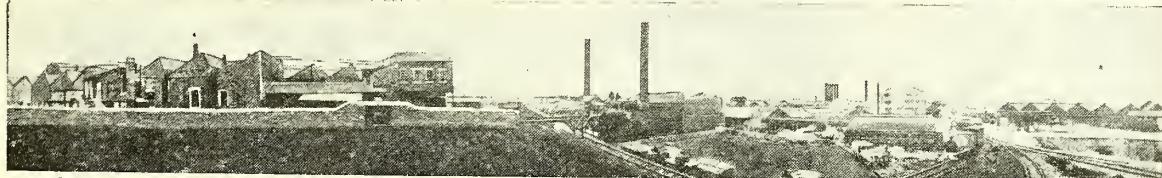
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EXTENSIVELY ADVERTISED TO THE MEDICAL PROFESSION

Importers: **BOXALL SMITH & CO.**
163a Strand, London, W.C.2

DUTCH DROPS

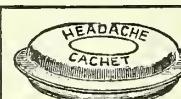
The Original HAARLEM OIL

Claes Villy

Also in Capsule Form.

We are Sole Distributing Agents for the British Isles, British Colonies, Scandinavian Countries, Spain, and South America.

BROOK, PARKER & CO. LTD., BRADFORD.



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With inscriptions in any desired tint; also Plain or Embossed.

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"Perfection of Cachets." —*Lancet*.

These Cachets are especially adapted for Headache, Neuralgia and other powders.
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In 17 Sizes to fit the various types of Cachet Machines.

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Sugar-coated Quinine Tablets and Pills.

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Gelatine-Coated Oval Pills.

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LENNON LIMITED WHOLESALE AND RETAIL CHEMISTS AND DRUGGISTS

Druggists' Sundriesmen.
Dealers in Surgical Instruments, Dental, Optical, and Photographic Goods, Perfumery and Assay and Mining Requisites. Contractors to Hospitals and Public Institutions.

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London Office :

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"*Multum in Parvo.*"

"VAPOFORM" Disinfectant

Regd.

For disinfection of
Rooms,
Confined Spaces, &c.

for HOME
and HOSPITAL

Has no injurious effects
whatever on Furniture,
Utensils, &c.

Small size, capable of disinfecting
1000 to 2000 cubic ft., 8/- per doz.

Large size, capable of disinfecting
3000 to 6000 cubic ft., 13/- per doz.

Sole Proprietors—

HARKNESS, BEAUMONT & CO., LTD.
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GLYCERINE

The chemically pure glycerine supplied by us is guaranteed to comply with all the requirements of the Food and Drugs Act and the British Pharmacopoeia.

PRECIPITATED CHALK. Finest and lightest, also heavy grades.
COD LIVER OIL. (Finest Lofoten.)
CASTOR OIL. OLIVE OIL.
DECOLORISING CARBON.
PERSULPHATES : Ammonium, Potassium & Sodium.

HALLER & PHILLIPS, LTD. Established as GEO.
HALLER & CO. in 1878.
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ZINC OXIDE

*The Purest
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Zinc Oxide on the market
the standard of purity being*

99.99%

A Genuine British Product

FULL PARTICULARS AND
COMPETITIVE PRICES
FROM THE MANUFACTURERS.

Felling Zinc Oxide Co.

Felling-on-Tyne
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JULY 12, 1930

"SUPERLIN"

(Registered Trade Mark)

RETAIL PRICE

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PER 10 OZ.
BOTTLETHE
CLEAN
DISINFECTANT
FLUID

ALSO SUPPLIED IN DRUMS

ATTRACTIVE
WINDOW
DISPLAYS
AND BONUSBy taking advantage
of our best terms your
first dozen will give you**100%
PROFIT!**Particulars and Samples, etc.,
from the Manufacturers.**Wrigley,
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and Co., Ltd.**

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MIDDLESEX****FOR SUNBURN & INSECT BITES**

You know the danger that may arise from Sunscorch and Insect Bites. In every case you should recommend Staniform Lotion; it immediately relieves irritation and counteracts the poison. Staniform is non-irritant and **DOES NOT STAIN THE SKIN**.

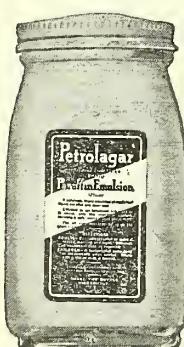
Staniform Preparations—Ointment, Dusting Powder, Lotion—are obtainable from your usual Wholesaler.

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FREE OFFER.—You may have one 8-oz. bottle free with one dozen 8-oz. size, any assortment, or one 16-oz. bottle free with one dozen 16-oz. size, any assortment (not a mixed dozen of large and small).

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Brand Emulsion in dozen lots from your wholesaler.

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Entirely New!

A Scientific &
simple method
of application
in cases of—

CATARRH,
HAY-FEVER,
COLDS, etc.



"EPHEDEXROL"

Registered



TRADE MARK

Cleaner, handier, and as efficacious as any atomiser-spray, dropper, nasal douche or other inhalant. Can be carried in the pocket without fear of leakage. Its use involves no unpleasant smell on linen, clothes, etc.

As good as the Iodine "Pen," "Ephedrol" is endorsed by leading laryngologists and is selling well wherever introduced.

Retail 2s. 6d. Trade 20s. doz. Bonus bottle with each dozen. Send for sample bottle 1s. 9d. post free.

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CLAY & ABRAHAM, LTD., 87 Bold St., Liverpool
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*Are You Getting Your Share
of this Business?*

WE plan to gradually increase our advertising during the next twelve months. New customers for CICFA are bound to come to you. Are you prepared with adequate stocks?

For convenience in keeping CICFA handy, we are sending out a proportion of each order in a convenient, easily-handled little container, holding a dozen tubes of either size.

Order now, from your usual wholesaler or direct from us, so as to be ready to meet the demand.

TRADE PRICE LIST.

ALL GOODS CARRIAGE PAID.

These Goods are to be sold to the public only at face value.

For quantities of not less than £10 :

1/3 Size	11/-
3/-	28/-

For quantities of not less than £5 :

1/3 Size	11/9
3/-	29/6

Less 2½% for cash with order, or nett on 10th of month following month of purchase.

For quantities under £5 :

1/3 Size	12/6
3/-	31/-

Net cash with order.

CAPSULOID (1909) LTD.

8a Duke Street, Manchester Square,
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VINT'S
Menthols

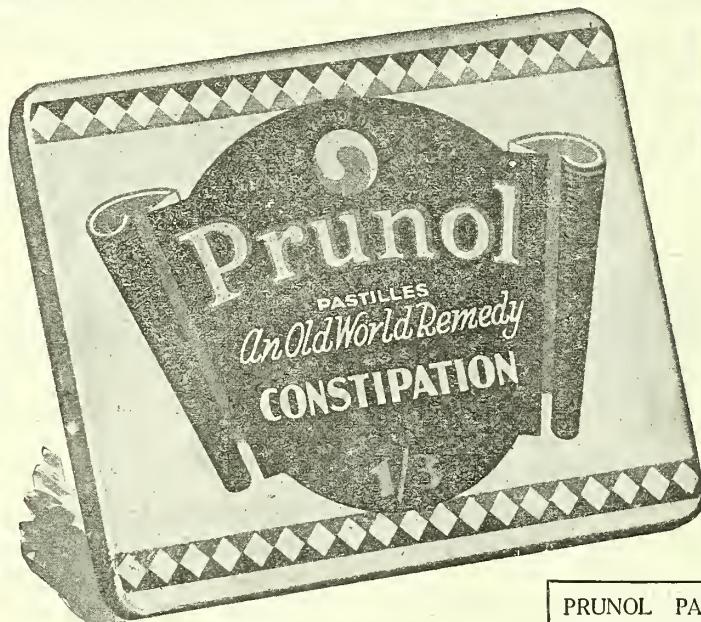
Feather Brand

Satisfy Everybody
They don't break

Retail 6d, 1/- & 1½
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EVANS SONS LESCHER & WEBB LTD.

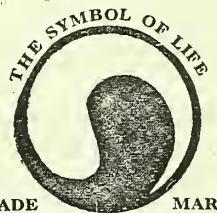
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PRUNOL PASTILLES IN AN ATTRACTIVE COMPACT TIN, EASY WHEN TRAVELLING. PRUNOL PASTILLES—A WAY THAT APPEALS TO THOUSANDS WHO DON'T LIKE JELLY



PRUNOL PASTILLES

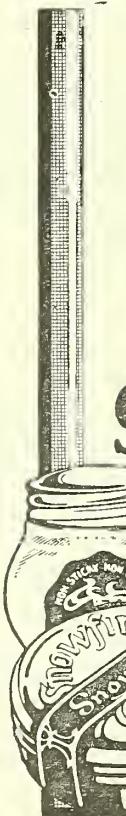
IN TINS **1/3** Usual discounts

NATURE'S FRUIT LAXATIVE FOR CHILDREN AND ADULTS. SAFE AND SIMPLE.

PRUNOL PRUNE JELLY IS SELLING WELL LOOK TO YOUR STOCKS—FOR THE PUBLIC IS COMING! SO AVOID DISAPPOINTING YOUR CUSTOMERS BY ORDERING NOW!

Everybody's using it now!

Snowfire Cream has gone from success to success. Thousands of women to-day rely on this pure, non-greasy vanishing cream as a skin-protector and beautifier. Its name and reputation, backed by consistent advertising, has made Snowfire the leader among popular priced face creams.



Snowfire CREAM

In Opal Jars and Aluminium handbag containers at 1/3 and 3d. respectively (retail).

Manufactured by
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(1927), Ltd.
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RHEUMATISM, NEURALGIA, GOUT.

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NEOPANCARPINE. RICARD'S CACHETS.

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Iglodine.

THE SAFE AND PURE ANTISEPTIC,

And its Kindred Preparations, are Dependable, Quick-selling and Profitable to the Chemist.

THEY SATISFY BUYERS AND BRING REPEAT ORDERS!

IGLODINE, the Ideal Home Healer, is Highly Recommended by the Medical Faculty, and Retails at 10½d., 1/6 and 3/- per Bottle. IGLODINE Specialities include—EMBROCATION, TOILET SOAP, OINTMENT, CREAM, THROAT TABLETS, SUPPOSITORIES, SHAVING STICK, PASTILLES, NASAL DOUCHE, SALICYLATED: Also FIRST-AID OUTFITS.

P.A.T.A. Photo-Litho Showcards, Window Display Scheme. Particulars and Prices from

THE IGLODINE CO., Ltd., NEWCASTLE-ON-TYNE.

Normo-Gastrine

(Specially prepared Silicate
of Aluminium)

THE successful new remedy for Indigestion and Dyspepsia, Gastric Ulcers, Gastritis, Gastro-Intestinal Flatulence, etc. Relieves in twenty minutes and effects a permanent cure in the most severe cases.

NORMO-GASTRINE is equal to Bismuth Salts, Magnesium and Sodium Bicarbonate with the added advantage that it does not render the Stomach contents alkaline or evolve Carbonic Acid.

Its astringent and antiseptic properties are produced only when acted upon by Hydrochloric Acid of a greater strength than 0.15% and thus, while an excess of acidity in the Stomach is neutralised, the amount necessary for Peptic digestion is undisturbed. A solution of 0.28% Hydrochloric Acid will be reduced to 0.15%, the normal amount present in the gastric contents of the Stomach, in twenty minutes.

When acted upon by Hydrochloric Acid, NORMO-GASTRINE forms a semi-colloidal precipitate which forms a protective film, both healing and absorbent, over the inflamed or ulcerated surfaces of the Stomach.

Presented in gr. 10 tablets, tasteless and odourless.

Boxes of 50

12/- per doz.

Less 25%

P.A.T.A.

1/6 and 2/9

Boxes of 100

20/9 per doz.

Less 25%

In showouters of 1 dozen with effective 3-panelled window screen. Posters for out-door display may be had if required and members of the medical profession circularised on receipt of names and addresses.

NORMO-GASTRINE will secure for you the appreciation of satisfied customers, the sure basis of increased business.

Testimonials in our possession are convincing proof that if applicable to any medicine, the word "infallible" might well be used to describe this product.



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BRITISH



THROUGHOUT

Energen

Regd. Trade Marke

STARCH-REDUCED BREAD AND CEREAL HEALTH FOODS

ARE STANDARD IN THE DIETETIC TREATMENT OF DIABETES, AND THE ONLY FOODS WHICH BEAR THE WEIGHT OF PROTEIN, CARBOHYDRATE, FAT AND CALORIE VALUE ON EACH PACKAGE.

Widely prescribed by the Medical Profession in the Dietary for Weight Reduction, treatment of Blood Pressure, all Special Diets and during Convalescence.

The constancy of their protein and carbohydrate content enables the physician to prescribe and adjust the dietary as desired.

ENERGEN PRODUCTS ARE OBTAINABLE FROM ALL WHOLESALERS, AND OWING TO THEIR GENERAL USE, CHEMISTS ARE ABLE TO DEVELOP A PROFITABLE TRADE.

Diet Cards for Diabetes, Obesity, "Light Diets," and the Energen-Hollywood 18-day weight reduction diet (approved by Medical Authority), and Advertising Material, Show Cards, etc., sent free on request.

Panel Patients obtain all Energen Products at reduced rates with full profit to the chemist.

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Energen
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ROBUVAL

Elixir Strontii
Bromid. et Valerian
Deodorat.

AN EXTREMELY PALATABLE
CALMATIVE & NERVESEDATIVE

8 OZ.
BOTTLES **3/6**

Prepared and
extensively advertised by

ROBERTS & CO.
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and at PARIS.



DRIED MILK

Large buyers of Full Cream, Half Cream, Separated, Milk Sugar, Whey Powder, Soluble Milk Casein, are invited to apply for samples and quotations, stating probable requirements. Eight Creameries in Dorset, Somerset and Wilts. PRIDEAUX'S LTD., MOTCOMBE, SHAFTESBURY, DORSET

The Body **NUMOL** *Building Food*

A PROFITABLE LINE TO SELL. AN EASY LINE TO HANDLE. A GOOD LINE TO WIN NEW CUSTOM

Prices and advertising material from—

NUMOL, LTD., Newcastle-on-Tyne

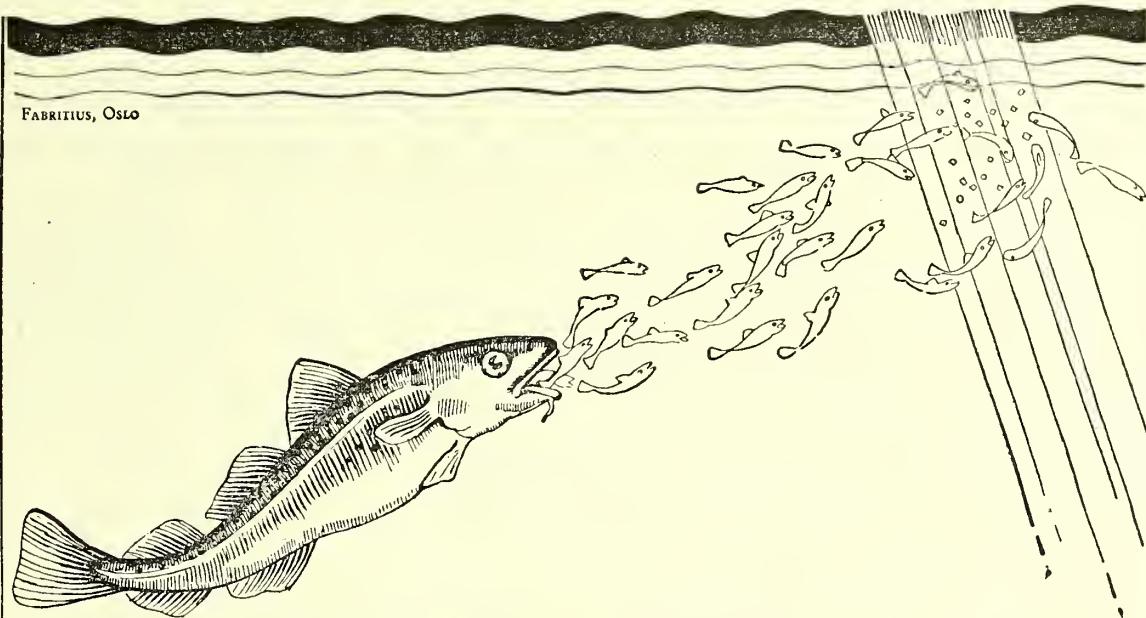
FRENCH WINE VINEGAR

Quality and Purity Guaranteed.

IN CASK FOR MANUFACTURERS.
IN BOTTLE FOR RETAIL.

SAMPLES AND PRICES ON APPLICATION.

JULES DUVAL & CO., LTD.
3 and 4 WATER LANE, E.C.3.



One Tablespoonful of Norwegian Cod Liver Oil daily is sufficient to prevent Goitre.

The human body needs a certain minimum quantity of iodine every day. If this be lacking in one's normal diet, then goitre — that dread disease — may ensue.

But here, too, cod liver oil proves a sovereign remedy. Dr. Gulbrand Lunde of Stavanger, Norway, has proved that a shortage of iodine can be made good by a daily dose of cod liver oil. He says:

"Investigations have shown that Norwegian cod liver oil contains iodine in the proportion of about 15 milligrammes of iodine per kilogramme of cod liver oil. This iodine is present in organic combination. It has been shown that five hundredths of a milligramme of iodine per day is a sufficient quantity to cover the iodine requirements in even the worst goitre districts. This means that a daily dose of only $3\frac{1}{2}$ grammes will be sufficient to abolish any deficiency in iodine, and thus prevent endemic goitre".

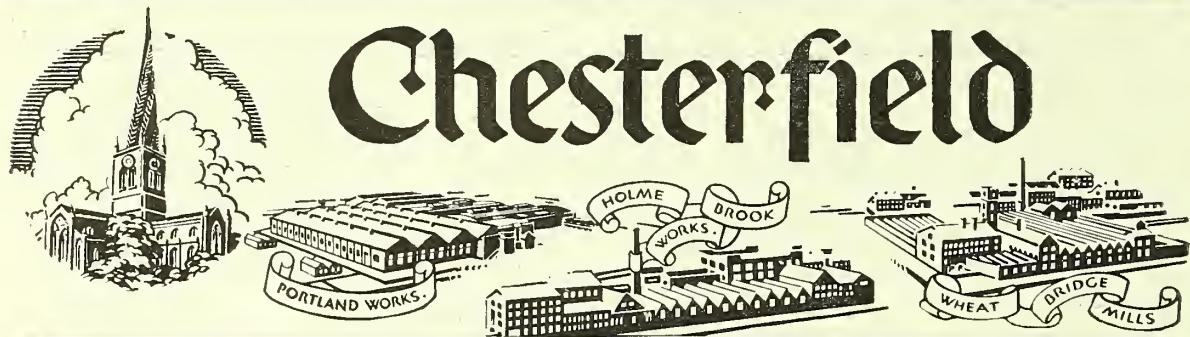
Norwegian cod liver oil is also one of the most useful allies against the infections of ordinary colds, bronchitis, tuberculosis etc.

Growth-promoting and anti-rachitic.



NORWEGIAN COD LIVER OIL

National Committee for Promoting the Consumption of Norwegian Cod Liver Oil, Bergen, Norway.



The Town of the Crooked Steeple and the Cardboard Box Industry

Goods well packed are half sold, and easier selling means more sales. We have expert box designers who specialise in designing boxes which are salesmen as well as packages. If therefore you have any packing troubles send them to CHESTERFIELD where our 90 years experience is at your disposal.

ROBINSON & SONS, LTD., WHEATBRIDGE MILLS, CHESTERFIELD.
MANUFACTURERS OF ROUND, OVAL, SQUARE AND FOLDING CARDBOARD BOXES.

900 workers are employed in the above factories.

A SPLENDID SELLER!

Dr. Lalor's Phosphodyne is not a new line; it has been held in high esteem in all parts of the world for more than sixty years,

The finest remedy for DEBILITY, NERVOUS EXHAUSTION, LOSS OF APPETITE, MALARIA, MENTAL and PHYSICAL LASSITUDE, NEURALGIA, SLEEPLESSNESS.

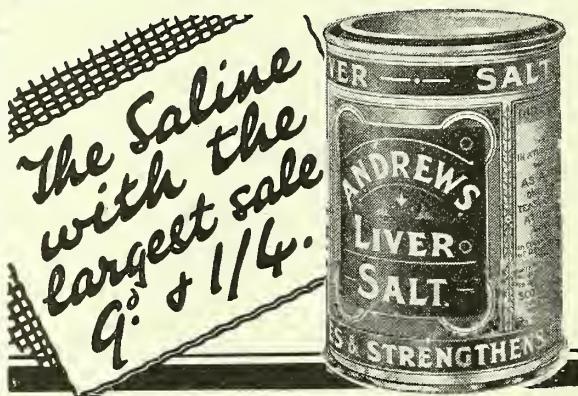


Dr. LALOR'S

Phosphodyne

HOW ARE YOUR STOCKS?

DR. LALOR'S PHOSPHODYNE LABORATORY
71 Parliament Hill Passage, Hampstead, N.W.



HEWLETT'S LYSOL

Of guaranteed strength and miscible with water

"Possesses a higher germicidal value than carbolic acid and probably nearly three times as high."—*The Lancet.*

SUPPLIED BEARING YOUR OWN NAME AND ADDRESS ON ORDERS OF 3 DOZEN BOTTLES.

Net Price: In 4-oz. bottles, 5/- per doz.; 8-oz. ditto, 9/- per doz.; 16-oz. ditto, 15/6 per doz.; 20-oz. ditto, 20/- per doz.; 32-oz. ditto, 27/- per doz. Special Prices for Bulk. Showcards Free.

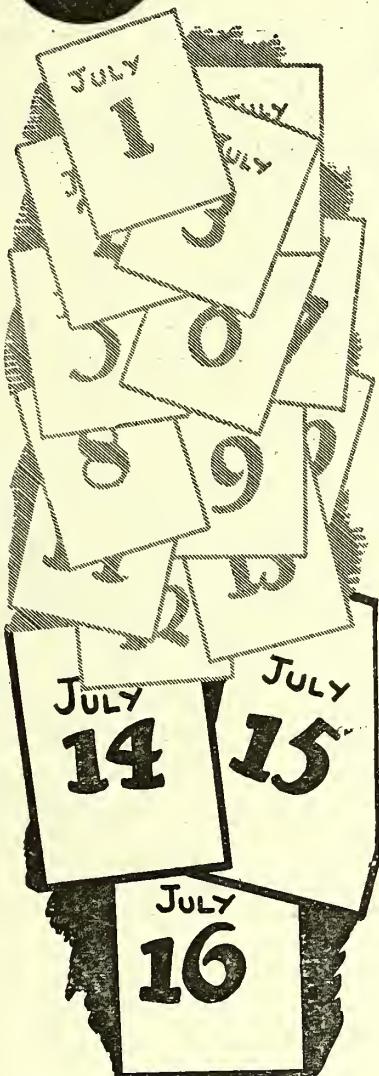
Specially Prepared by

C. J. HEWLETT & SON, LTD.,

35-42 Charlotte Street, and 83-85 Curtain Road, LONDON, E.C.2

3 DAYS LEFT

for the
10% BONUS
on
**Dr. Cassell's
Tablets**



Wednesday next is the latest date orders can be accepted under our special BONUS OFFER of an ADDITIONAL 10% DISCOUNT on Dr. Cassell's Tablets

COMBINED ORDERS. The above Bonus Offer is allowed on **Dr. CASSELL'S TABLETS** only, and must be included in the usual combined £5 or £10 orders for BEECHAM-VENO preparations.

SEND YOUR ORDER TO-DAY

either through your wholesaler or direct from the

**BEECHAM-VENO CENTRAL DISTRIBUTING DEPOT
CHESTER ROAD, MANCHESTER**



FAIRY DYES

IN 30 SHADES

**Have you got
A FAIRY DYES' WINDOW CURTAIN?**

Already throughout the country retail shops are displaying these window curtains to their great advantage. Not merely does it help them to sell Fairy Dyes and so add to their profit, it also forms a definite magnet of attraction and makes the passer-by stop and look in the window.

This is as it should be as Fairy Dyes want to help all round and while incidentally selling

more Fairy Dyes they want to see their customers prosper.

This is a helping hand—clasp it by sending to-day for a Fairy Dyes' window curtain.

It can be trimmed to fit your window and you will always be glad you took advantage of this offer. It comes to you free and post free, and is a gift you will really appreciate.

Fairy Dyes, LTD.

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London Depot : 292 UPPER STREET, ISLINGTON, N.1.

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*The Ideal Wrapping for Perfumery
Soaps, Toilet Goods, &c.*

EITHER COLOURLESS OR COLOURED TO HARMONISE
WITH GOODS. BAGS OF ALL SIZES AND SHAPES TO ORDER

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Samples and Competitive Price from

W. S. MUIR & Co., Ltd.

83 Upper Thames St., London, E.C.4.

Phones: City 6164, 6165, 0667.

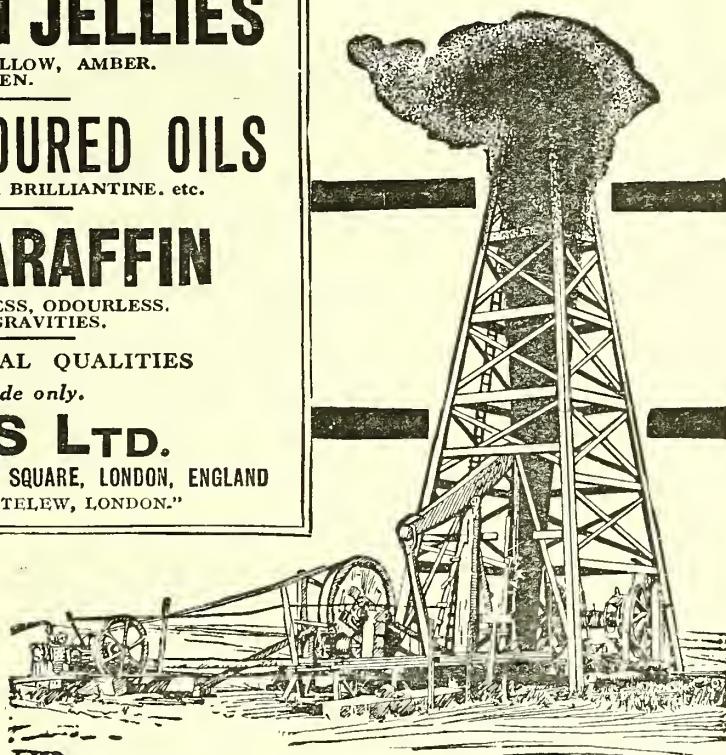
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RED, GREEN.**WHITE & COLOURED OILS**

YELLOW, GREEN, RED FOR BRILLIANTINE, etc.

LIQUID PARAFFINCOLOURLESS, TASTELESS, ODOURLESS.
ALL SPECIFIC GRAVITIES.

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Telegrams: "CENTUMVIR, TELEW, LONDON."**Chemists' Fittings**

When you want Shop Fittings it will pay you to send to

GEORGE COOKThe Chemists' Working Shopfitter,
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30 years' experience.

Rough Sketches free.

Ask for "PAZO"
PILL BOXESThe most convenient and
secure Pill Box obtainable.**NO LOOSE BOTTOMS**

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**WAGNER'S DRY BOTTLE CAPS**
BEST IN QUALITY & APPEARANCE**R.V.WAGNER**33, Brooke St., London, E.C.1.
Tel. No. Holborn 5090**WHITE OILS**HALF WHITE and
COLOURED OILS
for Brilliantines, &c.UNITED WHARF,
SILVERTOWN, E.16**REDDGRAVE SITORA LTD.**Telephones:
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Petroleum Jelly

White, Yellow, Amber,
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Pharmaceutical and
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Our experience of the Chemist's requirements in Paraffinum Liq., B.P., extending over a period of nearly 30 years, is at your service. We shall be glad to forward samples and quotations upon receipt of your enquiry.

We can also supply Olive Oils in bulk at keen prices.

GE THURLEY & SON
UNITY WORKS
LATIMER ROAD E.7



"PRESTOP"

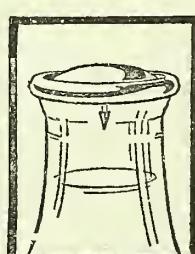
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6 d.

FITS ALL SIZES.

Manufacturers:
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All Specific Gravity Guaranteed
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B.P. WHITE & YELLOW PETROLEUM JELLIES

WHITE & HALF WHITE OILS

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Suppliers to
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AND AT
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TO HIS MAJESTY
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WHITE BLEACHED CARNAUBA WAX VARIOUS GRADES
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AND COMPOSITION PARAFFIN WAX ALL MELTING
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LANOLINE B.P. & U.S.P.
ANHYDROUS AND
HYDROUS.

The PHARMACEUTICAL LANOLINE CO.

WHITE &
HALF WHITE OILS.

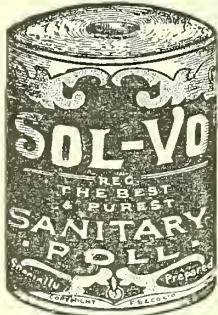
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CARNWATH ROAD, FULHAM, LONDON, S.W.6

Telephone: Fulham 1194.

Telegrams: Batapo, Phone, London.

JULY 12, 1930

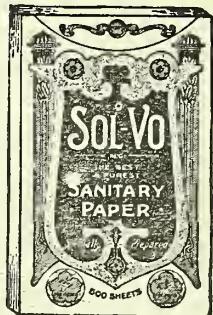


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THE BEST & PUREST

SANITARY PAPER



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One gross " "	6/- "
Five gross " "	5/3 "

Three dozen Packets ...	per doz. 10/- net.
Half gross " "	9/6 "
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Five gross " "	8/3 "

The M. G. TOILET ROLL

SUPERIOR QUALITY.

Three dozen Rolls ...	per doz. 4/9 net.
Half gross " "	4/6 "

One gross Rolls	... per doz. 4/3 net.
Five gross " "	4/- "

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We supply no one but Chemists and Druggists with
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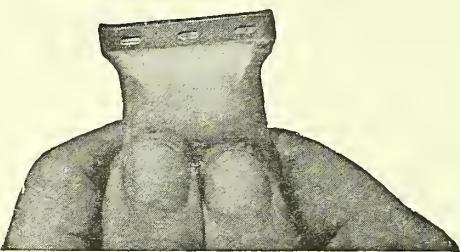
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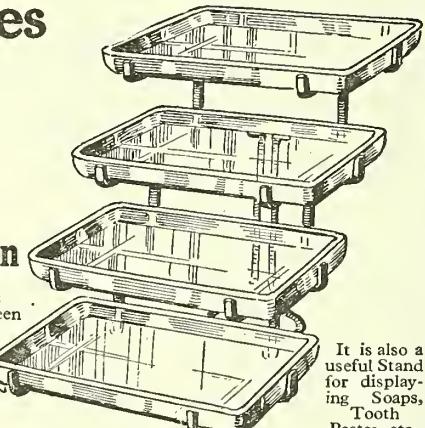
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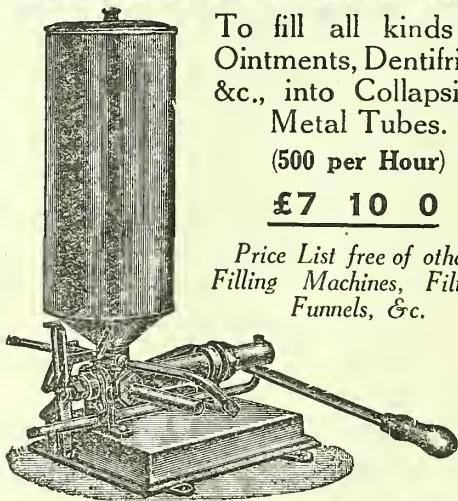
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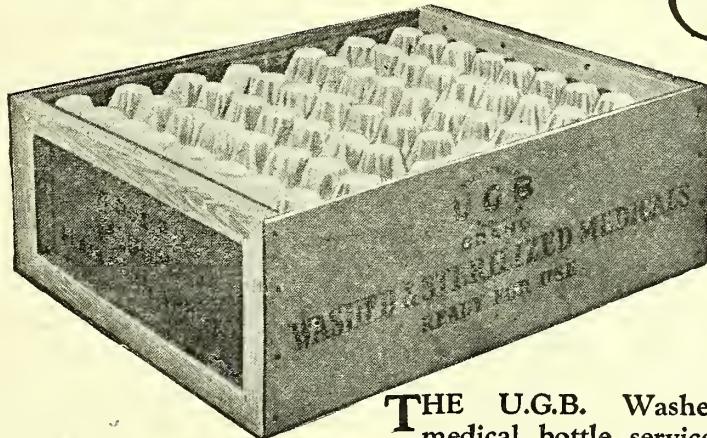
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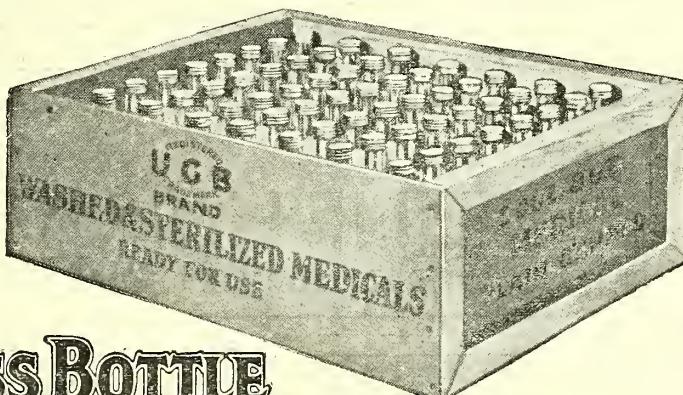


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JULY 12, 1939

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BLACKPOOL (corner position on main road).—Lock-up Shop, well fitted and stocked; Kodak Agency; big D. & P. connection; increasing returns with good prospects of further increase; rent £85, with 5 years' lease; returns last year £1,150; busiest season till October just starting; good reasons for disposal; price for quick sale, £900. 174/19, Office of this Paper.

BLYTH, NORTHUMBERLAND.—For Sale as a going concern, the Business of Manufacturing Chemists and Wholesale Druggists, carried on by Macsons, Limited; stock and fixtures at cost, property at valuation. Apply to the Managing Director at Union Street, Blyth, Northumberland.

BUCKS.—Well-fitted Freehold Pharmacy in rapidly developing B district 23 miles London; established 16 months; now doing £20 per week, increasing; Kodak Agency; well stocked; no opposition; double-fronted shop, 5 rooms and garden; price, including freehold, £1,900; full particulars on application; can be viewed by appointment. 168/53, Office of this Paper.

HARROGATE.—Good-class lock-up Pharmacy for quick disposal, with stock, fixtures and property; Kodak Agency and Wine and Spirit Licence; corner shop; turnover £40-£50 weekly. Apply 173/3, Office of this Paper.

LONDON, W. (in best residential district).—High-class Pharmacy for Sale; unique position; mainly dispensing; no Photography or N.H.I.; profits approach £2,500 per annum, constantly increasing; long lease at £20 per annum; modern fitted shop with back entrance and comfortable residence over; banker's reference essential; principals only. Apply 175/175, Office of this Paper.

LONDON, S.W.—General Retail; scope for increase all round; returns £1,200; net profit £340; rent £65 per annum; sub-let £78; vendor, who is obliged to leave business through ill-health, will accept low price for quick sale; splendid chance for man with small capital; particulars at interview. 175/3, Office of this Paper.

CHARLES C. MARSDEN

Chemists' Valuer, Transfer Agent & Stocktaker,
29 Oakwell Crescent, Oakwood, Leeds.

HARROGATE.—Old estab. Drug Stores, fitted as a chemist, good clean, saleable stock, av. returns about £20, rent £35. Sell at valuation about £600, owner retiring. Opening for chemist.

LEEDS.—Pharmacy on busy main road, industrial, good N.H.I., net profit about £6 weekly. Splendid chance for a young man. Owner bought larger business. Price £295.

LONDON, W. (main road, unique position).—Handsome fitted Chemist Shop and upper part of six rooms; price £500, to include fittings, fixtures and lease; stock at valuation. Full particulars will be sent to genuine applicants only from The Jackson Estates, Gloucester Gate, London, N.W.1.

LONDON, S.W.—Retail Business for Sale; exceptional bargain immediate; populous and growing district; main road; opposite railway station; reasonable price asked. 173/31, Office of this Paper.

LONDON, N.—General Retail and Dispensing; lock-up; gross profit £400; rent £60; scope for all-round increase; good site for Optics; price £350, fixtures, goodwill, etc.; stock about £200; held on lease; genuine inquirers with cash. 174/3, Office of this Paper.

LONDON, S.E.—Business for Sale in rapidly-growing district; turnover £1,000 at good prices; Panel 4,000 per year; unlimited scope for increase in all departments owing to extensive building operations in progress; good house, with private and back entrance; long lease arranged; only genuine inquirers with cash entertained. 157/22, Office of this Paper.

MANCHESTER.—High-class suburban Branch Shop for Sale; long lease; price to be mutually arranged; no agents. 172/23, Office of this Paper.

MANCHESTER (principal thoroughfare).—Old-established Chemist's Business; average returns last 5 years £2,600; 8,000 N.H.I. scripts per annum; Wine and Spirit Licence. Apply 172/55, Office of this Paper.

NEAR BOLTON.—Chemist's Business for sale; unrestricted Wine Licence; Kodak Agency; turnover £1,490; profits gross 40 per cent.; rent £40 per annum; rates £18; no opposition; owner having bought larger business wishes to effect quick sale; reasonable price. Write 175/181, Office of this Paper.

NEAR LIVERPOOL.—Double-fronted Shop; main road; takings average £27 per week; N.H.I. extra; house part separate entrance; further particulars on application; price £750. Apply "Wal," c/o John Thompsons, Ltd., Duke Street, Liverpool.

NORTH LONDON (main road, busy shopping centre).—Dispensing and Photographic; good lease; low rent; living accommodation, 5 rooms; average net profits £9 10s. per week; price £850, all at, including stock value approximately £500. Preston & Partners, Valuers, 29 Ludgate Hill, E.C.

NORTH-WEST COAST SEASIDE RESORT.—Recently-established Pharmacy, with Kodak; double-fronted corner premises, rapidly growing district; opportunity for qualified for N.H.I. and Optics; owner must relinquish for family and private reasons; new fittings and stock; price, approximately £550; property (new) for Sale; mortgage can be arranged; modern house, 9 rooms, suitable visitors or let off; only those with necessary capital need apply. 154/37, Office of this Paper.

S.E. LONDON (main road).—Well-fitted Drug Store, with 5 rooms, kitchen, etc.; fine opportunity for qualified man; long lease at £60, rising £70 per annum; reduced price £360, all at. Stocker & Roberts, 3 Railway Approach, Lewisham.

SOUTH COAST.—Popular summer and winter resort; near sea in the midst of hotels and boarding houses; recently opened; fine prospects; excellent opportunity for Prescriber; low rent; long lease; lock-up shop; well fitted and stocked; selling cheap, £800, or would consider part payment terms; owner leaving pharmacy; small furnished flat free; single fare paid; references. "Photography," 172/40, Office of this Paper.

SOUTHPORT (near).—Exclusive and genuine offer; returns, with valuable asset, £3,200 per annum; well established; high-class profitable trade; splendid living accommodation; reasonable rent; lease; price £2,000, about. Another, similar, Manchester, but returns only £1,200 per annum; price £6,000. "No triflers." Brierley, Chemists' Valuer, 135 Queen Street, Newton Heath, Manchester. (Tel.: Failsworth 115.)

SOUTH WALES (growing residential area).—Family Retail and Dispensing Business; small Optics connection, can be increased; Medicated Wine Licence; rent and rates £150 per annum, including excellent living accommodation; turnover £2,000; lease; price £1,200 all in, or near offer. Fuller details to bona-fide buyers. 171/104, Office of this Paper.

SUSSEX COAST.—First-class Retail and Dispensing Business, in splendid position facing the sea; established many years and selling through retirement; clear net income of £750 after paying every expense; excellent house and good garden; held on long lease; price £2,650; references required. Apply "Retiring," 175/169, Office of this Paper.

WIGAN.—Good-class Business for disposal; returns for 1929, including N.H.I., £1,085; for January-June, 1930, £501; premises on lease; reasonable rent and rates; good living accommodation; easily managed; ill-health cause of sale; fixtures and goodwill, £200; stock at valuation; combined amount about £400. 172/7, Office of this Paper.

W.11.—**BARGAIN.**, £200, including stock, fixtures; six-roomed house, side entrance; could let off to cover rent, which is £60 per year; low rates; disposal owing to death; small takings; in working-class district; good Panel done; suitable man to work up; long lease; and good profits made. 175/27, Office of this Paper.

YORKSHIRE.—Old-established, good-class Family Retail and Dispensing Business in best residential part of city; no near opposition; freehold house and shop. Details on application to 171/36, Office of this Paper.

BARGAIN for quick sale; smart, modern and newly fitted; established nearly 6 years; adjoining multiple stores; double-fronted; lock-up; inclusive rental; Post Office attached; building and developments all round; lots of scope; neglected; genuine reason for selling; all at £850; stock and everything. Particulars apply to Bromley Hill, Bromley, Kent.

CHEMIST'S, main road, W.; established 70 years; same hands over 40; trade £1,550, but has been considerably more; rent £90 per annum; lease 14 years; good living accommodation over; thoroughly genuine concern; capable of immediate increase; price, all at, £850. Apply Sole Agents, Ambross & Son, Loughton, Essex.

CITY Business; unique position; easily worked; double-fronted, lock-up shop; well stocked and fitted; high-class trade; Kodak Agency; good D. & P. and draught trade; turnover about £3,300 at good profits; occupies one of the finest positions in the City of London; good lease at reasonable rental; only wants seeing; price to be arranged. Apply 174/8, Office of this Paper.

DRUG Stores; lock-up; one room fitted for Panel; badly required; bold corner position, main road; gas; wired for electric light; scope; wants seeing; rent and rates 32s. 6d. inclusive; weekly agreement; returns £5 weekly; Ilford district; £70, stock at valuation, or offer considered. 174/11, Office of this Paper.

FOR SALE.—Business, owned by public company and manufacturing well-known Ointment and other Remedies, for Sale as a going concern for cash by Receiver for debenture holders; accounts produced and fullest information given in confidence to genuine principals only; no agents. Write Myers, Davies & Co., Chartered Accountants, Balfour House, 119-125 Finsbury Pavement, E.C.2.

LARGE commanding lock-up corner Shop, with back room; 3 handsome large plate-glass windows; opposite station; line recently electrified; S.E. district; no near opposition; business has been neglected; Berdoe & Fish valuation, June 23, stock and fixtures, £576; price £425, or £175 cash and £300 extended over 3 years; lease can be granted for 7 or 14 years, £100 per annum. Apply Davis, 97 Borough High Street, S.E.1.

NET income £320; turnover £1,200; price £650, or nearest reasonable offer, for stock and fixtures (£530), lease (8 years), goodwill, and growing Proprietary of Village Pharmacy; unopposed 4 miles; lock-up; electric light; Kodak, Ucal, N.H.I.; good-class trade; suit young single; make money; lady or elderly, semi-retire. Write "Chemicus," 175/5, Office of this Paper.

OPPORTUNITY for young, qualified to start on his own; nice little Business on main road; pleasure resort 40 miles London; turnover increasing, now averaging £12 per week; big D. & P. during season; £125 cash and £250 easy mortgage; long lease; house and garden if required; moderate rent. 174/40, Office of this Paper.

PHARMACY for Sale, Western Suburb, London; main road; takings over £20 weekly; qualified take over £30; vast opportunity; long lease; 4 rooms, scullery, bath; long garden; snip for right man; price £500; accept £350 cash; £150 can remain for two years; illness cause of sale. 175/28, Office of this Paper.

SPLENDID Business for Sale, S.E. London; no near competition; unique position; excellent living accommodation and garden; price, including freehold, £2,500. 175/26, Office of this Paper.

TO LET (Mansfield, Notts), House and Shop, with immediate possession, in busy thoroughfare; successful Chemist's business carried on for many years; populous neighbourhood; good opening for energetic man. For further particulars, apply W. T. Frow, 40 St. John Street, Mansfield.

TO MULTIPLE CHEMISTS AND OTHERS.—For Sale in Midland manufacturing town, an exceptional Cash Business which has been established nearly 100 years; two changes of ownership only during this period; returns £6,000; Prescriptions, N.H.I. and others well over £30,000 per year; books kept by accountant; price for business and freehold property £8,000; principals only dealt with. Replies to 174/2, Office of this Paper.

AGENCIES.

LIVE Representative, with very excellent connection whole of London, open to accept further commission of suitable remunerative, saleable line; excellent opportunity for company out with Packed Tablet lines to increase sales at half cost; country and foreign companies' inquiries cordially invited. Write 173/26, Office of this Paper.

WELL-KNOWN Firm desirous of securing Agency for first-class product with quick-selling possibilities; sound connection with Chemists and energetic and reliable representation available. Apply, P.C.B. 69/5, Office of this Paper.

BUSINESSES WANTED.

NORTH-EAST COAST (Durham or Northumberland). Wanted to purchase a good sound Business; one that is in a thickly populated working-class neighbourhood. Apply 173/178, Office of this Paper.

REQUIRED, Business which could be carried on by proprietor or with one assistant. Henry Grundy, "The Orchard," Crocksford Road, Newmarket.

WANTED, small, genuine Business with scope for increase, Drug Stores or Pharmacy, with living accommodation preferred; Midlands. Please give full particulars, in confidence. 173/25, Office of this Paper.

PARTNERSHIPS.

THE Advertiser, whose business is chiefly with Chemists, is desirous of taking up an interest with another firm having similar (or other) connections; moderate capital. Write P.C.E. 69/7, Office of this Paper.

WELL-KNOWN Scottish Pharmacist, having disposed of his retail businesses but retaining ownership of an increasing popular Proprietary and a Foreign Agency, desires residence in the South of England, and would be prepared to consider an active Partnership in a sound established Wholesale or Agency concern in or around London; capital available. Apply, with particulars, to J. Aikman Smith & Wells, C.A., 8 Forres Street, Edinburgh.

SITUATIONS OPEN.

RETAIL (HOME).

BIRMINGHAM.—Qualified young man wanted immediately to manage small city shop (apprentice only kept); tactful, obliging business builder, with good Photographic and Window-dressing knowledge. State age, experience, and salary required. 174/23, Office of this Paper.

CARDIFF.—Unqualified male Junior of good appearance, well trained, and accustomed to good-class Dispensing and Counter business; must be intelligent Salesman and good Window-dresser, with Photographic experience. Full particulars to J. T. Day, Chemist, Albany Road, Cardiff.

EAST HAM.—Wanted, at once, qualified Chemist to manage small business until disposed of; Prescribing, N.H.I., Photography, etc.; working-class neighbourhood. Apply personally any time, or write giving full particulars and salary required, which must be moderate. Fookes, 34 Vicarage Lane, East Ham.

GUILDFORD.—Competent, unqualified Junior required for Dispensing, Counter, etc. Apply, stating age, height, salary required, and full particulars of experience, enclosing photo, to H. Jeffries & Co., 23 High Street.

ISLINGTON, N.L.—Lady, with good experience of Surgical Instruments and Counter; knowledge of Toilet side an advantage; comfortable position in good-class business. 175/24, Office of this Paper.

LONDON.—Manager; must have had managerial experience and possess up-to-date ideas in modern Retailing, fully qualified in Pharmacy and Optics. State fully experience, etc., giving height and age. 175/180, Office of this Paper.

LONDON, N.7.—Junior (male); all-round experience; honest; energetic. Phone: North 3298. Venables, 292 Holloway Road, N.7.

LONDON, N.W. DISTRICT.—Qualified Manager required for good-class business; must be good Window-dresser, well experienced in Photographics. Give full particulars of experience, age, salary in first letter. Apply, by letter, to H. S. Foster, 187 Banstead Road, Carshalton.

LONDON, W.—Junior required; must be a capable Dispenser; permanency if suitable. 175/38, Office of this Paper.

LONDON, N.—Unqualified Junior Assistant wanted as soon as possible; age about 21 years. State age, height, experience, and salary required (outdoors). F. J. Sandberg, Chemist, 22 Regents Parade, North Finchley, N.12.

MANCHESTER.—Pharmacist wanted at end of July or early August to manage shop; permanency to right man; Window-dresser and correct N.H.I. Dispenser. State age (not under 26 years), height, and whether married or single; £4 15s. 173/2, Office of this Paper.

NEW FOREST.—Wanted, lady Assistant; Dispensing; some knowledge of Photographic (not D. & P.). Martin, Pharmacist, New Forest, Brockenhurst, Hampshire.

NOTTINGHAM.—Junior Assistant wanted; must be quick, accurate and well trained. Give age, experience, and salary required to W. Meakin, Chemist, Sherwood, Nottingham.

RYAL CHEST HOSPITAL (Royal Northern Group of Hospitals).—Pharmacist Locum required, 3 weeks, August 5-23 inclusive; £5 weekly. Apply, giving reference, to the Secretary, Royal Northern Hospital, Holloway Road, N.7.

SHEFFIELD.—Qualified Assistant, about 25-30, immediately; outdoors; no Sunday duty; knowledge Photography essential. Please state full particulars in first letter, age, height, when disengaged, previous experience, salary required, and enclose photo. H. G. Williams, 118 The Moor.

SUSSEX.—A smart Manager is required for a new business in a popular seaside town; applicants must have had previous experience of management and possess good knowledge of Display and Salesmanship; living accommodation available, and bonus and commission is offered to the right man. All replies, which should give full details of experience, height, age, and when at liberty, will be treated in strict confidence. 173/179, Office of this Paper.

AN experienced Assistant for quick Counter and Dispensing business wanted, from August 11 to September 6 inclusive. Apply personally, between 10.30 and 11.30, to the Manager, Durbin's Drug Stores, 66 The Broadway, Ealing.

ASSISTANT; unqualified; must have good experience in Dispensing (chiefly) and good-class Retail, with Photography. Apply, stating age, references, and salary required, to Mr. E. G. Price, Ph.C., Mellin & Co., 88 High Street, Eltham, S.E.9.

ASSISTANT, young lady, with good knowledge of Counter, Photography and Window-dressing, required for Stratford. Full particulars and salary required to 173/32, Office of this Paper.

CAPABLE lady Assistant of good address for Counter and Dispensing; energetic and trustworthy; West of England. Apply, with usual particulars, to 168/29, Office of this Paper.

JUNIOR Assistant wanted (male). Apply personally only, at once, Hancock & Co., Ltd., 144 Fleet Street, E.C.4.

JUNIOR qualified Assistant (male), mainly for Dispensing. State salary (outdoors) and usual particulars, enclosing photograph. H. R. Browne, 44 Cornfield Road, Eastbourne.

LADY Chemist, qualified, wanted to manage Village Chemist's in Hampshire; 6-roomed house, lovely garden, etc.; £2 per week and house. 174/29, Office of this Paper.

LOLOCUM, qualified, required almost immediately for a few weeks until business is disposed of for good-class Pharmacy with Wine and Spirit Licence; lady or gentleman; salary £4 10s. Apply Brough & Co., 2 Franklin Road, Harrogate.

LOLOCUM, qualified, August 5 to 15 inclusive. State salary required for total period and full particulars. Apply, by letter, Maryland Pharmacy, 1 Forest Lane, Stratford, E.15.

LOLOCUM wanted, qualified, male, for August 16-30 inclusive. Please state age, references, and salary required. R. Glanster, 49 Abbey Road, London, N.W.8.

LOLOCUM, unqualified, wanted for one month beginning about the fourth week in August; Channel Islands. Write "Beta," 167/22, Office of this Paper.

LOLOCUM, young, qualified, from July 21 to August 23. Apply, in person if possible, to Bird & Storey, 42 Eastcastle Street, W.1.

LOLOCUM, qualified (male), July 21 to August 2 (inclusive); Light Retail, Dispensing, Photography (no D. & P.). Full particulars to Hey, Chemist, York.

LOLOCUM wanted, August 15, for two weeks, possibly four weeks. State terms. Luxton, Chemist, Cowick Street, Exeter.

LOLOCUM, unqualified (male), for 4 weeks, commencing July 21; must be capable Dispenser and of good address. Apply at once, stating terms, Edwards, Chemists, Godalming, Surrey.

MANAGER, qualified, wanted immediately for branch opening shortly Gorleston-on-Sea; preference given to one holding Optical Diploma, registered J.C.Q.O., but not essential. Please state salary required and full particulars in first letter. Send photo if possible. McDaniel, Bungay, Suffolk.

MANAGER wanted (male) immediately for branch, East End; busy N.H.I.; permanency to the right man; good references essential. Apply Liley's, Ltd., 37 Belsize Lane, Hampstead, N.W.3.

QUALIFIED Manager (outdoor), about 30, for N.E. London; must be active business man, used to sole charge and keep buyer; salary and commission; undeniable references from last two engagements essential. 173/1, Office of this Paper.

QUALIFIED Assistant (lady or gentleman) for several weeks, commencing July 20 or 27; good-class Retail, Dispensing. Please state age, salary, experience. A. Wright, Chemist, Barnsley.

QUALIFIED Assistant required; good-class Counter experience desirable; position available within 1-3 weeks; reasonable hours; age 23-30. State salary expected, age, height, experience. State if interview possible on Tuesday. G. H. Pierson, 94 Queen's Road, Bayswater, London, W.2.

QUALIFIED Manager required for working-class business; soon; salary £4 per week. Robinson, Chemist, Horsefair, Kidderminster.

QUALIFIED Manager wanted for middle and working-class district in Midlands; energetic and capable man with initiative required; comfortable living accommodation attached to shop. Please give full particulars in first letter as to previous experience, age, salary required. 173/33, Office of this Paper.

QUALIFIED Assistant; smart, capable; young; good all-round experience; Counter, Window-dressing and Dispensing; permanency. Also capable Junior for Dispensing, Counter and Window-dressing. Full particulars, age, experience, salary required and when disengaged, 6/8 Lewisham Road, S.E.13.

WANTED, for newly-opened Pharmacy in Manchester, a Manager. Give particulars in first letter. 170/17, Office of this Paper.

WANTED, young, qualified Assistant, either sex, for six or seven weeks from July 21; wages and full particulars first letter. Applications not answered in four days respectfully declined. "South Wales," 172/36, Office of this Paper.

WANTED, Assistant (lady or gentleman) for Dispensing, Manufacture of B.P. Preparations, etc.; would suit Part II Student. Apply T. R. Boon, 186 High Street, East, Wallsend.

WANTED, young, qualified Assistant for good-class business in agricultural district. Apply, with full particulars, including wages required and references, to O. L. Carrington, 18 High Street, Chipping Norton.

WANTED, a qualified lady, with Hospital experience, for part-time Locum during August. For particulars apply to the Pharmacist, Hospital for Women, Soho Square, W.1.

WANTED, immediately, competent Assistant; outdoors; permanent; good-class, all-round experience and Photo Sales. State age, experience, salary, when disengaged, photo. Oldfield, Chemist, Station Road, Westcliff-on-Sea, Essex.

YOUNG, qualified Assistant (male) required for permanency in first-class Light Retail; August; no N.H.I.; must be really capable Dispenser and Counterman. Particulars of experience and salary required, enclosing photo if possible, to "East Midlands," 174/31, Office of this Paper.

WHOLESALE.

A

JUNIOR required in Analytical Laboratory of Wholesale Druggists; about 20; one with experience of estimating Spirit Strengths and testing purchases of Drugs and Chemicals. Apply, stating previous experience, salary required, to 173/176, Office of this Paper.

REPRESENTATIVE, country, wanted by London Wholesale Druggists. Reply, giving full particulars of experience, etc., to "Galen," 171/102, Office of this Paper.

REPRESENTATIVES, with good connections amongst Chemists, wanted to introduce an entirely new non-competitive advertised line of Food Products in many areas; part time. Give full particulars to "M. H. P." 170/16, Office of this Paper.

REPRESENTATIVES, (1) West of England, (2) Yorks and Lancs, calling on Chemists Wholesale and Retail, to carry on commission excellent selling side line; repeats assured; small samples. Full particulars first letter to 173/40, Office of this Paper.

REQUIRED, young Chemist (male or female) having knowledge of poultry breeding, to demonstrate special Antiseptic at World's Poultry Exhibition, Crystal Palace, July 22 to 31 inclusive. Full particulars to 173/182, Office of this Paper.

TOILET SOAP.—Representative wanted, with connection and another suitable line, on the South Coast; also Glamorgan and Monmouth. Richard Wheen & Sons, Ltd., The Soapery, London, S.E.8.

WANTED, a Representative, with connection among Chemists in London area, to introduce a Proprietary Nerve Food, "own name" packed lines and Bath Salts, etc., on commission and part expenses basis. Apply by letter in first instance, Amalgamated Laboratories, Ltd., Staple Inn Buildings (South), 335 High Holborn, W.C.

COLONIAL, INDIAN AND FOREIGN.)

TRINIDAD.—Required, young Assistant, recently qualified; good experience essential; good opportunity. Write, stating age, salary expected, etc., to "Planter," P.C.B. 69/2, Office of this Paper.

SITUATIONS WANTED.

RETAIL (HOME).

2s. for 18 words or less; 6d. for every additional 10 words or less, prepaid.

A. —QUALIFIED desires post as Manager, with living accommodation and within convenient reach of Victoria; previous experience; interview, free Wednesday afternoons. Coope, 5 Lynwood Road, Upper Tooting, S.W.17.

A. —QUALIFIED, 25, desires position as Manager or Assistant; Dispensing, Counter, Photography. "Chemist," 82 Pendine Street, Manchester. References.

A. —ASSISTANT; competent; tall; 26; first-class West-End and other experience; Dispensing and Counter; unqualified; energetic; educated. 174/17, Office of this Paper.

A. CHEMIST, well experienced in all branches of Pharmaceutical business, desires post as Manager in London with a good firm; salary £6. 175/2, Office of this Paper.

A. CHEMIST-OPTICIAN, F.S.M.C., F.B.O.A., J.C.Q.O., engaged any time, desires appointment both branches; would open Optical Department, any suitable opening, finding stock and equipment. 171/20, Office of this Paper.

A. PHARMACIST requires responsible Managerial position where expert Salesmanship and modern business methods are essential; large departmental or high-class seaside preferred; twenty odd years' experience, West-End, country, seaside; minimum salary £8. 174/6, Office of this Paper.

A. —QUALIFIED Scot, young, tall, desires permanency; anything considered; disengaged July 12. "Chemist," 1 Mount Street, Aberdeen.

A. BOUT July 28; Sect; 25; unqualified; ten years' good-class experience; competent Dispenser. Williamson, 22 New Oxford Street, London, W.C.1.

A. S Manager; M.P.S., F.B.O.A., J.C.Q.O.; varied and successful experience; keen business man; good Salesman; undeniable references; permanency. Replies to 172/14, Office of this Paper.

A. SSISTANT; experienced Dispenser and Salesman; Photography; middle-aged; single; active; unqualified. "Statim," c/o M's Brewery, Kingsbridge House, Bracebridge, Lincoln.

A. SSISTANT, male, 21½ years, taken Part II final ensuing week, now open for immediate engagement; good experience Counter and Dispensing; disengaged; urgent. Harris, 79 Sellons Avenue, N.W.10.

A. SSISTANT.—Young lady, with 5½ years' experience at Drug and Toilet Counters, desires change; Midlands preferred. 172/5, Office of this Paper.

A. SSISTANT, 27, married, unqualified, requires permanency; accurate Dispenser; keen, energetic Counterman; capable; trustworthy. Hunt, 235 Ditchling Road, Brighton.

A. SSISTANT; 30; unqualified; 11 years' experience; permanency; disengaged; willing; good references. Reed, 28 Belmont Road, Brislington, Bristol.

A. SSISTANT, 24, unqualified, requires situation from about July 21 to September 15; high-class Dispensing and Counter; Bristol or Weston-super-Mare district preferred. Winsor, Reading House, Clevedon.

A. SSISTANT; 22; Counter, Dispensing, Window-dressing, Photo; excellent references. D. McCarthy, 31 Woodfield Road, Paddington, W.9.

A. SSISTANT, qualified, six years' experience in Dispensing, Counter, Window-dressing, wants situation; anywhere preferred; moderate salary. Gerald Coleiro, 110 King Street, Southsea, Portsmouth.

A. WAITING qualifying result; as unqualified Locum; efficient and competent; speciality Dispensing. Myers, 18 Henderson Road, Edmonton, N.9.

B. RANCH Manager, with long and varied experience, seeks position in Outer London or good provincial town; Minor qualification; married; accept moderate salary if permanency assured. 172/24, Office of this Paper.

B. RINGTON OR SUSSEX.—Wanted, situation, Junior; temporary or permanent; awaiting result Minor; good references and experience. Bird, 4 Victoria Road, Brighton.

DISENGAGED.—Locum; unqualified; West-End and suburban experience. Arthur, 62 Caldecot Road, Denmark Hill, London, S.E.5.

ENERGETIC young man, disposed own business, requires berth; experienced all branches, Wholesale, Retail and Manufacturing; willing to undertake anything with scope; preferably with Wholesale House. "Zinzip," 785 Pershore Road, Birmingham.

EXPERIENCED Saleswoman; Toilet, Drugs and Perfumery; disengaged. Miss Driffill, 124 Stanstead Road, Forest Hill, S.E.23.

FORTNIGHTS or Longer.—Locum engagements desired by up-to-date Chemist in good-class businesses for August and September; indoors not objected to. Fitt, c/o Mr. Shepperd, Chemist, Barnstaple, till end of July.

FRANCIS B. DI MENNA is open for Locum work or Assistant; Leeds or Bradford district preferred; last six years manager; highest references. 5 Amberley Street, Bradford.

JUNIOR, 20, all-round man, high-class experience, requires change; West-End or W. suburb. Write, "H." 24 Rowan Road, W.6.

JUNIOR; 21; tall; good appearance; accurate Dispenser; Mid-Lands preferred. Apply J. Taylor, 31 Fairfield Street, Lincoln.

JUNIOR Assistant requires post during College vacation, July 12 to September 16; all-round Counter and Dispensing experience. Luxton, 25 Victoria Road South, Southsea.

KEEN and capable Pharmacist, with Optical qualifications, seeks permanent, but temporary position considered; disengaged shortly. "J.C.Q.O." 17 Gratwick Road, Worthing.

LADY Dispenser (Hall) requires post, Chemist, Doctor or Institution, Birmingham district; present position 3 years with two doctors; Book-keeping, etc.; good references; Hospital experience. 168/6, Office of this Paper.

LADY Dispenser (Hall); 22; 4 years' good-class Counter and Dispensing experience; disengaged. "L. V. G." 1 Weston Hill, Upper Norwood, S.E.19.

LOCUM; unqualified; 38; up to date all branches, Photo, etc.; any two weeks August; used to brisk trade; present situation Manager, 4½ years; town or seaside. 172/12, Office of this Paper.

LOCUM, middle-aged; abstainer; reliable; £5 10s. weekly. Powell, 54 Porters Grange Avenue, Southend-on-Sea.

LOCUM; qualified; free July 21 to August 2, September 22; permanency or locum. "Pharmacist," 98 The Grove, Ealing, W.5.

LOCUM; qualified; experienced; excellent references; disengaged. John, 40 Sandringham Avenue, Merton Park, S.W.20.

LOCUM; Relief; Manager; "not registered"; 20 years' experience; Panel, Counter, Prescriber, Salesman. "Smart," 130 Scott-Ellis Gardens, N.W.8.

MANAGER, Locum; disengaged August 1; experienced; Counter, Dispensing, Photography. "A." 65a Blackwell Street, Kidderminster.

MANAGER or Assistant; qualified; experienced; good Dispenser and Counterman; now disengaged; moderate salary. 174/15, Office of this Paper.

MANCHESTER DISTRICT.—Chemist; qualified; Locum; part-time or permanent; good references and experience. 174/24, Office of this Paper.

M.P.S., F.S.M.C., 28, Scot, experienced Manager, business builder, seeks post; South preferred. "M.P.S." Norfolk House, March, Cambridgeshire.

M.P.S., good knowledge Optics, high-class Dispensing, Photography, speaks German, wants position; London or suburb; now disengaged. P.C.B. 69/9, Office of this Paper.

PART-TIME, evenings and Saturdays; Dispensing, Counter; references; North London preferred; relief or one year; salary moderate. 172/8, Office of this Paper.

POSITION of responsibility and trust required; permanency; country town; present post as Senior art Manager 6 years; keen, good Counterman and thorough knowledge of all branches; wage £4 10s. to £5, with commission; qualified. "Chemdrug," 172/15, Office of this Paper.

QUALIFIED.—Branch Manager or Senior; capable Dispenser and Salesman; Photography; good all-round experience; active and energetic; well recommended; would invest capital if necessary on profit-sharing basis. 172/15, Office of this Paper.

QUALIFIED Chemist, 23, first-class experience, good Dispenser, seeks post, locum or permanency; excellent references. Carrington, Coombes Road, Bakewell, Derbyshire.

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QUALIFIED, 32, married, desires post as Manager or Senior; permanency or locum entertained. "W. J. G." Werfa, Henllan, Cards.

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QUALIFIED; young; energetic; free one month; excellent references; Manager or Assistant; Locum work considered. "Chemist," 67 Bedford Road, Clapham, S.W.4.

UNQUALIFIED Assistant requires post; Leeds district or Bradford preferred; height 5 ft. 9 in.; age 26; 6 years' experience; capable and experienced Dispenser; good Window-dresser; excellent knowledge of Photography (including D. & P. and enlarging); some experience in Optical work; recently completed course of study for the C. & D. Qualifying Examination, 157/31, Office of this Paper.

UNQUALIFIED; 25 years' good all-round experience (London and country); reliable; good credentials. "Chemicus," 3 High Street, Knaphill, Woking.

UNQUALIFIED lady Assistant requires post; 10 years' good all-round experience; capable Dispenser. 172/21, Office of this Paper.

UNQUALIFIED Junior (lady) seeks permanency with Chemist, Dispensing, Counter, Light Photographic; references. Apply, "Belladonna," 175/25, Office of this Paper.

UNQUALIFIED Assistant.—Mr. A. Catto, 49 Cranbrook Road, Ilford, can thoroughly recommend Mr. Jaffe, who has just completed his apprenticeship and is anxious to take a temporary post from early August until commencement of classes at the end of September; Mr. Jaffe has passed Part I. Full particulars regarding character and abilities will be gladly furnished.

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ADVERTISER, M.P.S., experienced and responsible man, desires post with reputable Company where creative mind would give rapid advancement; last five years on Continent; sales organisation, staff control, publicity work, etc.; special language qualifications. 173/37, Office of this Paper.

AGE 24, gentleman seeks situation; year's experience with Wholesale Chemist as Compressed Tablet Maker and Warehouseman; would accept anything. Apply 171/40, Office of this Paper.

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EXPERIENCED Traveller, young, seeks post at once with well-known house; abstainer; steady; reliable; honest; knowledge of all branches of Wholesale trade; established personal Chemist connection South and South-West Counties; prospects of permanency desirable; keen, loyal worker to firm giving every encouragement and support; own car; small salary and expenses to start. Cole, 16 Sholing Road, Itchen, Southampton.

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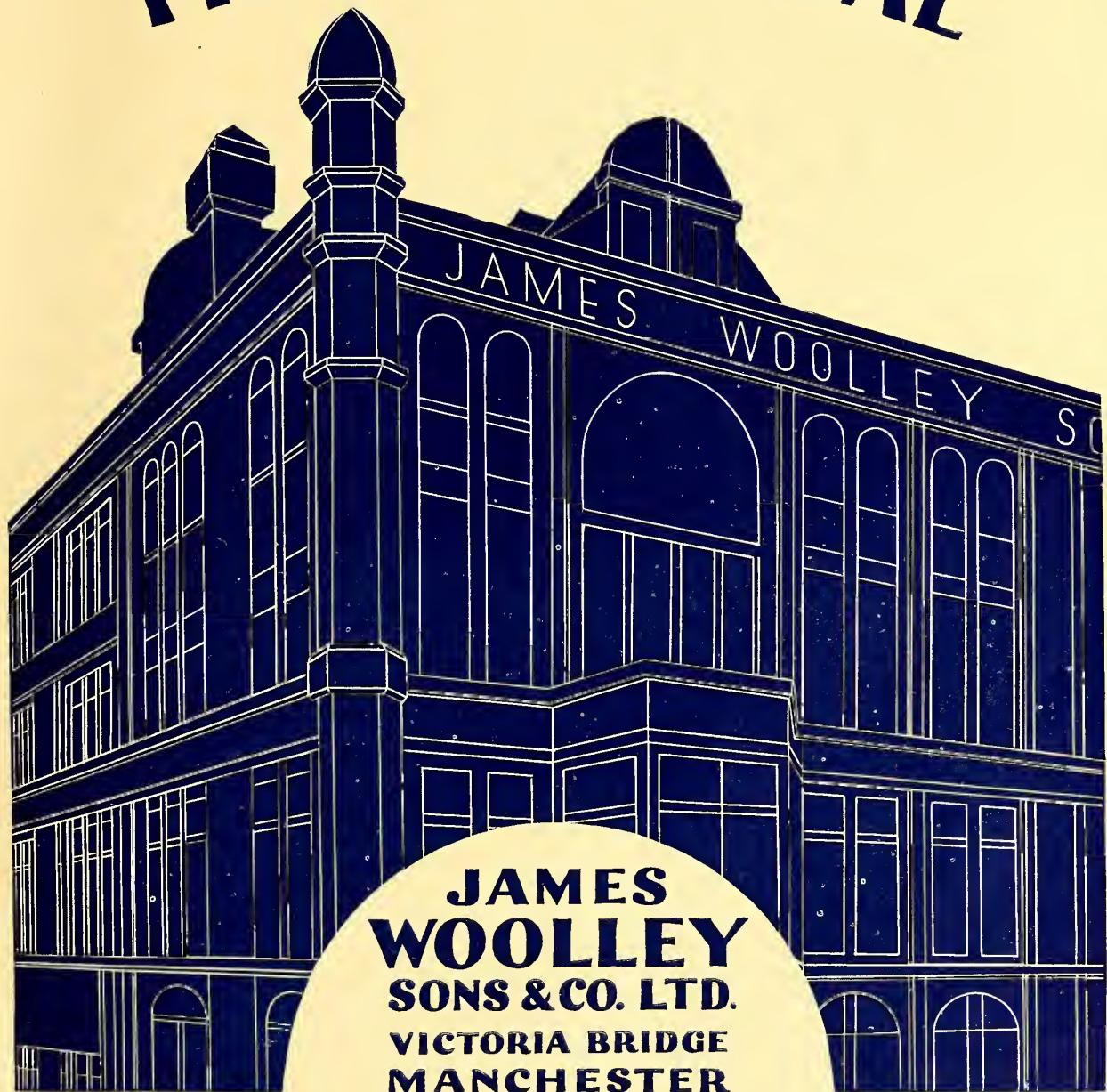
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JULY 12, 1930

THE CHEMIST AND DRUGGIST

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